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AFSC 2A5X1

Aerospace Maintenance Specialty



CAREER FIELD EDUCATION

AND TRAINING PLAN

**CAREER FIELD EDUCATION AND TRAINING PLAN
AEROSPACE SPECIALTY
AFSC 2A5X1**

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AEROSPACE MAINTENANCE SPECIALTY
AFSC 2A5X1
CAREER FIELD EDUCATION AND TRAINING PLAN

Part I

This portion of the CFETP provides comprehensive career field information. There are four sections to Part I: General Information; Career Field Progression and Information; Proficiency Training Requirements; and Resource Constraints.

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for the entire 2A5X1 specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.
2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.
 - 2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints, some examples are funds, manpower, equipment, facilities.
 - 2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course, core task, and correspondence course requirements; Section B contains the course objective list and training standards supervisors will use to determine if airmen satisfied training requirements. Section C identifies available support materials, an example is a qualification training package (QTPs which may be developed to support proficiency training). These packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications*. Section D identifies a training course index supervisors can use to determine resources available to support training, included here are both mandatory and optional courses.
3. Using the guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training. Formal course which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks of AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Continuation Training. Additional training exceeding minimum upgrade requirements with emphasis on present or future duty assignments.

Core Task. Tasks that Air Force Career Field Managers (AFCFM) identify as minimum qualification requirements within an Air Force Specialty. Only a percentage of critical tasks for each system are listed as mandatory core tasks. This gives units needed flexibility to manage their workforce training. Core tasks identified with */R are optional for ANG and AFRC.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal school course that results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training that prepares the individual to be mission ready at the end of training.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional course designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, or equipment, that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by Air Education and Training Command (AETC), approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, Career Development Courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist Air Force career field managers in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training. A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) function managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in this AFS should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one (or more) of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen.

Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.
- 1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/review formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training to support this AFSC must be identified for inclusion into plan.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field

training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFM's. This review will ensure currency and accuracy using the list of courses in Part II, to eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.

- 4.1. Specialty Summary.** Maintains aircraft, support equipment (SE), forms and records. Performs production supervisor, flight chief, expeditor, crew chief, support, aero repair, and maintenance functions.
- 4.2. Duties and Responsibilities.** Advises on problems maintaining, and inspecting aircraft and aerospace SE. Uses technical data to diagnose and solve maintenance problems on aircraft systems. Interprets and advises on maintenance procedures and policies to repair aircraft and SE.
- 4.2.1. Troubleshoots and maintains aircraft structures, systems, components, and SE. Tests repaired components using mockups and test equipment. Adjusts, aligns, rigs, and calibrates aircraft systems. Performs engine run-up. Accomplishes weight and balance functions. Jacks, tows, and services aircraft.
- 4.2.2. Inspects aircraft structures, systems, components, and SE. Supervises and performs aircraft and component inspections. Interprets inspection findings and determines adequacy of corrective actions. Inspects and checks components for clearances, tolerances, proper installation, and operation. Inspects and operates powered and nonpowered aerospace ground equipment. Inspects and identifies aircraft corrosion for prevention and correction. Reviews maintenance forms, aircraft records, and reports to ensure complete documentation. Inventories and maintains alternate mission equipment.
- 4.2.3. Performs production supervisor, flight chief, expeditor, crew chief, aero repair, support, and maintenance functions. Coordinates maintenance plans to meet operation commitments. Supervises and assists in launching and recovering aircraft. Review maintenance data collection summaries to determine trends and production effectiveness. Performs crash recovery duties. Performs staff and supervisory management functions.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training must do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career.

5.1. Apprentice (3) Level. Following Basic Military Training, initial skills training will be provided in resident courses at the 82d Training Wing, Sheppard AFB TX. These courses will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), and task qualification training to progress in their career field. Upon completion of CDC 2A551 and Air Force core task qualifications, the trainee should complete other available duty position training.

5.2. Journeyman (5) Level. Once upgraded to the 5-level, the Journeyman will enter into continuation training to broaden their experience base by increasing their knowledge, skill in troubleshooting, and solving more complex problems. Five-levels may be assigned job positions such as aircraft dedicated crew chief, assistant crew chief, quality assurance, aero repair, and

various staff positions. Trainees will utilize the Career Development Course (CDC) to progress in their career field. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force. Five levels can be considered for appointment as unit trainers.

Individuals will use their CDCs to prepare for testing under WAPS. They should also consider continuing their education toward a CCAF degree.

5.3. Craftsman (7) Level. A craftsman can expect to fill various supervisory and management positions such as expediter, shift leader, element chief, flight chief, task certifier, and various staff positions. Exportable aircraft specific courses and MAJCOM/unit management courses are also available. Seven-levels should take courses or obtain added knowledge on management of resources and personnel. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

5.4. Superintendent (9) Level. A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior NonCommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aerospace Maintenance career field. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. Training decisions were made at the U&TW held at Sheppard AFB in July 1996.

6.1. Initial Skills. This training consists of maintenance fundamentals, principles of flight, general aircraft systems, use of hand tools and technical orders, and operation/use of Support Equipment (SE). The course is continually updated to provide emphasis on hands-on tasks. When applicable students enter an aircraft specific training (follow-on) course and receive expanded aircraft systems and task training resulting in the award of apprentice skill level. The specific training accomplished and where the training is accomplished is shown in each weapons specific matrix in Part II of the CFETP. When available, students enter the Mission Ready Technician (MRT) program that provides a task certified apprentice (3-level), trained in system knowledge and certified on selected tasks to the 3c proficiency level. The MRT program is designed to certify basic students at the '3c' level on selected aircraft specific tasks at the technical school so they will be productive immediately upon arrival at their first duty section. A task certified apprentice means the individual can complete the task utilizing tech data, but may not meet local standards for speed. AETC instructors will document the tasks (from the CFETP Qualitative Requirements) trained to the 3c proficiency level and task certification will be signed off by AETC.

6.2. Five Level Upgrade Requirements. To upgrade to the 5-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.2. Enlisted Career Path.

6.3. Seven Level Upgrade Requirements. To upgrade to the 7-level, personnel must meet education and training requirements and grade requirements as listed in table A8.2. Enlisted

Career Path. Seven levels must be a SSgt with 18 months OJT, complete core task training, complete 2A571 CDC, and attend the 7-level in residence course, for upgrade to the Craftsman level.

6.4. Proficiency Training. Additional knowledge and skill requirements which are not taught through initial skills or upgrade training are assigned to unit training, or to Training Detachments. The purpose of continuation training is to provide additional training, exceeding minimum upgrade training requirements, with emphasis on present and future duty positions. To provide additional training in this area, MAJCOMs must develop a continuation training program that ensures individuals in the Aerospace Maintenance career field receive the necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

7.1. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.2. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies.....	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.2.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses. Completion of the 2A531 aircraft specific courses, (see listing below) satisfies some semester hours of the technical education requirement.

Course	PDS Code	Aircraft	Semester Hours
J3ATR2A020-001	HQJ	Basic	7
J3AQR2A531A-000	XCN	C-141	n/a
J3ABP2A531A-000	XJN	C-141	34

Course	PDS Code	Aircraft	Semester Hours
J3AQR2A531B-000	XS3	C-130	n/a
J3ABP2A531B 000	458	C-130	30
J3AQR2A531C 000	478	C-5	n/a
J3ABP2A531C-000	X78	C-5	19
J3ABR2A531D-000	U35	C-17	7
J3ABR2A531F-000	647	B-52	18
J3ABR2A531G-000	TAZ	KC-135	18
J3AQR2A531G-001	HQJ	E-3	7
J3AQR2A531E-001/002	736/738	B-1	16
J3AQR2A531E-001/002	736/738	B-2	16
J3ATR2A531H-000	KST	KC-10/E-4	14

n/a- not available. Hours may vary, contact your education office for exact credit.

7.2.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses.

7.2.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.2.4. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.2.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

8. Career Field Path.

8.1. Manpower Table

Table A8.1. Manpower Table.							
	CMSgt	SMSgt	MSgt	TSgt	SSgt	SrA	A1C/Amn/AB
Base Level	48	284	1126	1606	3044	2795	2180
MAJCOM	7	21	18	5	0	0	0

HQ USAF	0	0	0	0	0	0	0
FOA/DRU	5	0	1	0	0	0	0
Other	7	8	26	32	32	9	7
Total	67	306	1171	1643	3076	2408	2187

8.2. Enlisted Career Path.

Table A8.2. Enlisted Career Path

Education and Training Requirements	GRADE REQUIREMENTS			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training school				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Complete 3 months duty position/apprentice experience before beginning journeyman training. - Minimum 15 months on-the-job training. - Complete appropriate CDC if/when available. - Must complete 18 months training (3 month apprenticeship plus 15 months OJT) for award of the 5-skill level. - Complete all 5 level core tasks.	A1C SrA	16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School. - Complete all 5/7 level core tasks.	SSgt	7.5 years	3 years	20 Years
	Certifier - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified by the STS in Part II, Sections A and B of this CFETP.

10. Specialty Qualification:

10.1. Apprentice Level Training:

10.1.1. Knowledge. Knowledge is mandatory of: principles applying to aircraft systems; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply procedures; and proper handling, use, and disposal of hazardous waste and materials.

10.1.2. Education: For entry into this specialty, completion of high school with courses in pneumdraulics, physics, and electronics is desirable.

10.1.3. Training: For award of AFSC 2A531X, completion of a suffix specific basic aerospace maintenance course is mandatory.

10.1.4. Experience. No prior experience is necessary to initiate skill level advancement to the 2A531X AFSC.

10.1.5. Other: For entry into this specialty, normal color vision as defined in AFMAN 48-123. For award of AFSC 2A531X, eligibility for a Secret security clearance according to AFI 31-501.

10.1.6. Training Sources and Resources. The 3-level initial skills course will provide the required knowledge, qualification, and if applicable certification. Training will focus on increasing “hands-on” time with task performance as the learning foundation. This strategy allows current weapon system specific training to be included in the initial skills course. Initial skills training aircraft principles, system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publication, maintenance documentation, and AGE/SE equipment familiarization and use.

10.1.7. Implementation. Upon graduation from Basic Military Training, airmen are assigned to the 82d Training Wing for completion of course J3ATR2A020 001 Aircraft Maintenance Fundamentals. This course provides the student with a basic knowledge of aircraft and associated subjects. In most cases the student will then attend an aircraft specific (follow-on) course, which will result in award of the 3-skill level. The following courses are available:

AFSC	Course Number	Aircraft
AFSC	Course Number	Aircraft
2A531A	J3AQR2A531A 000	C-141
2A531A	J3ABP2A531A 000	C-141
2A531B	J3AQR2A531B 000	C-130
2A531B	J3ABP2A531B 000	C-130
2A531C	J3AQR2A531C 000	C-5
2A531C	J3ABP2A531C 000	C-5

2A531D	J3AQR2A531D 000	C-17
2A531E	J3AQR2A531E 001/002	B-1/B-2
2A531E	J4ABF2A531E 000	B-1
2A531E	J4ABF2A531E 002	B-2
2A531F	J3ABR2A531F 001	B-52
2A531G	J3ABR2A531G 002	C-135
2A531G	J3AQR2A531G 001	E-3
2A531G	J4ABF2A531G 000	E-3
2A531H	J3AQR2A531H 001	KC-10/E-4
2A531H	J4ABF2A531H 001	KC-10/E-4
2A531A	J3AQR2A531A 002	C-9

10.2. Journeyman Level Training:

10.2.1. **Knowledge.** Knowledge is mandatory of: principles applying to aircraft systems; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply procedures; and proper handling, use and disposal of hazardous waste and materials.

10.2.2. **Education.** For entry into this specialty, completion of high school with courses in pneumdraulics, physics, and electronics is desirable.

10.2.3. **Training.** For award of AFSC 2A551X, completion of a suffix specific basic aerospace maintenance course is mandatory.

10.2.4. **Experience.** Qualification in and possession of AFSC 2A531X. Also experience in functions such as repairing and maintaining aircraft or related installed equipment.

10.2.5. **Other.** Completion of all applicable core tasks, and completion of the 2A551 CDC are mandatory for upgrade to the Journeyman level. Also, the Airman must be promoted to the grade of E-4.

10.2.6. **Training Sources and Resources.** The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS and applicable Qualitative Requirement.

10.2.7. **Implementation.** Training to the 5-level is performed by the units utilizing STS and applicable Qualitative Requirement , exportable courses, and CDCs. Upgrade to the 5-level requires completion of the basic 2A551 CDC, completion of all core tasks, and promotion to E-4.

10.3. Craftsman Level Training:

10.3.1. **Knowledge.** Knowledge is mandatory of: principles applying to aircraft systems; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply procedures; and proper handling, use and disposal of hazardous waste and materials.

10.3.2. **Education.** There are no additional educational requirements for upgrade to the Craftsman skill level. However, completion a CCAF degree is desirable.

10.3.3. **Training.** Completion of AF core tasks. Completion of CDC 2A571, and completion of the resident course at Sheppard AFB.

10.3.4. **Experience.** Qualification in and possession of AFSC 2A551X. Also, experience performing or supervising functions such as installing, repairing, inspecting, or overhauling aircraft structures, systems, and components.

10.4. Superintendent Level Training:

10.4.1. Knowledge. Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and helicopter systems and related SE; concepts and application of maintenance directive; maintenance data reporting; interpreting and using maintenance data reports and technical orders; Air Force supply procedures; resource management; and proper handling, use and disposal of hazardous waste and materials.

10.4.2. Education. There are no education requirements for upgrade to Superintendent. Formal education is encouraged.

10.4.3. Training. The Senior NCO Academy and unit OJT will be used for training.

10.4.4. Experience. For award of AFSC 2A590, qualification in and possession of AFSC 2A571 or 2A572 is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft or helicopters.

10.4.5. Implementation. The 9-level will be awarded after completing MAJCOM requirements and unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also, included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training:

12.1. Constraints. Aircraft and trainers are not available to support some training objectives.

12.1.1. Impact. Tech school is not able to provide hands-on task performance training. This will increase the training burden on field units.

12.1.2. Resources required. Obtain the following aircraft/high fidelity trainers: B-52H (1) and C-5 (1).

12.1.3. Action Required. Obtain aircraft/high fidelity trainers. OPR: 82 TRSS/TTR
OCR: HQ AETC/DOOI, 362 TRS/TRR.

13. Journeyman Level Training: There are no resource constraints..

14. Craftsman Level Training: There are no resource constraints.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning 6 January 1997 and graduating 5 February 1997.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level. Number task statements sequentially i.e., 1.1, 1.2, 2.1. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified by an */R are optional for AFRC and ANG. Certification on all shop/flightline core tasks applicable to at least one MDS aircraft assigned must be completed for skill level upgrade. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not exempt if aircraft/equipment are assigned to another unit on base).

2.2. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.

2.3. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings.

2.4. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.5. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

2.5.1. **Documentation.** Document and certify completion of training. Pages 17-19 must be filed in individual records. In addition, use of attachments one and two is mandatory in individual training records; use of attachments three through thirteen is optional depending upon duty position. Attachments fourteen through twenty-four are not filed in individual training records; these attachments are used to identify student proficiency codes in AETC apprentice courses only. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). An AFJQS may be used in lieu of Part II of the CFETP only upon approval of the AFCFM—none are approved for this AFSC.

2.5.1.1. **Converting from Old Document to CFETP.** All AFJQSs and previous CFETPs were replaced by this CFETP; therefore, conversion of all training records to this CFETP is mandatory. Automated records, using Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to

identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter trainer and trainee's initials. The certifier must also initial for core tasks. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify using standard certification procedures.

2.5.1.2. Documenting Career Knowledge. When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. **NOTE:** Career Knowledge must be documented prior to submitting a CDC waiver.

2.5.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

2.5.2. Training Standard. Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

2.6. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard and Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to 362 TRS/RH 613 Tenth Ave., Sheppard AFB TX 76311-2356. For quick response to problems, call the 24-hour customer service information line, DSN 736-5236. Reference specific STS paragraphs.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WILLIAM P. HALLIN, Lieutenant General, USAF
DCS/Installations and Logistics

24 Attachments

1. Proficiency Code Key (Mandatory—must be filed with pages 17-19)
2. 2A5X1 Fundamental Requirements (Mandatory)
3. B-1 Qualitative Requirements (Optional)
4. B-2 Qualitative Requirements (Optional)
5. B-52 Qualitative Requirements (Optional)
6. C-130 Qualitative Requirements (Optional)
7. C-135 Qualitative Requirements (Optional)
8. C-141 Qualitative Requirements (Optional)
9. C-17 Qualitative Requirements (Optional)
10. C-5 Qualitative Requirements (Optional)
11. C-9 Qualitative Requirements (Optional)
12. E-3 Qualitative Requirements (Optional)
13. KC-10/E-4 Qualitative Requirements (Optional)
14. B-1 Training Matrix (Not used in Training Records)
15. B-2 Training Matrix (Not used in Training Records)
16. B-52 Training Matrix (Not used in Training Records)
17. C-130 Training Matrix (Not used in Training Records)
18. C-135 Training Matrix (Not used in Training Records)
19. C-141 Training Matrix (Not used in Training Records)
20. C-17 Training Matrix (Not used in Training Records)
21. C-5 Training Matrix (Not used in Training Records)
22. C-9 Training Matrix (Not used in Training Records)
23. E-3 Training Matrix (Not used in Training Records)
24. KC-10/E-4 Training Matrix (Not used in Training Records)

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
<i>N/I</i>	<i>N/I</i>	

QUALITATIVE REQUIREMENTS

Proficiency Code Key

	Scale Value	Definition: The individual
Task Performance Levels	1	IS EXTREMELY LIMITED (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	KNOWS NOMENCLATURE (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES (Can determine step by step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	KNOWS FACTS (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION (Can evaluate conditions and make proper decisions about the subject.)

Explanations

* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDC's.

/ This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

NOTE 1: Users are responsible for annotating training references pending STS revision.

NOTE 2: Items in column 1 marked with an asterisk (*) are tasks/knowledges that are trained in resident wartime courses.

NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade. Items marked */R identify a core task that is optional for AFRC and ANG.

NOTE 4: Codes in STS column 4A(1) denote Aircraft Maintenance Fundamentals Course J3ATR2A020 001.

NOTE 5: All applicable safety requirements, inspection requirements, TOs/corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout training.

NOTE 6: Use of equipment items A2.20.5 and A2.20.14 will be simulated.

A2.1. CAREER LADDER PROGRESSION TR: AFM 36-2108										
	-	-								
A2.1.1. Core values								-	-	B
A2.1.2. Mobility								-	-	B
A2.1.3. Progression in career ladder 2A5X1								A	-	-
A2.1.4. Duties of AFS 2A5X1								B	-	-
*A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC 2A5X1 TR: AFI 10-1101								A	-	-
*A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: Applicable AFOSH Stds; Aircraft TO, AFI 91-301										
A2.3.1. Housekeeping consistent with safety of personnel and equipment								A	B	-
A2.3.2. Safety precautions pertaining to aircraft maintenance										
A2.3.2.1. Engine air intake and exhaust								A	B	-
A2.3.2.2. High intensity sound								A	B	-
A2.3.2.3. Turbine plane of rotation								A	B	-
A2.3.2.4. Radio frequency radiation								A	B	-
A2.3.2.5. Ground handling of aircraft TR: AFI 11-218, TO 00-25-172								A	B	-
A2.3.2.6. Hot brakes								A	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.3.2.7. Use of tools and equipment								A	B	-
A2.3.2.8. Servicing aircraft systems TR: TO 00-25-172								A	B	-
A2.3.2.9. Cleaning Agents								A	B	-
A2.3.2.10. Solvents								A	B	-
A2.3.2.11. Lubricants								A	B	-
A2.3.2.12. Aircraft explosive equipment								-	-	-
A2.3.2.13. High pressure gasses								-	-	-
A2.3.3. Fire extinguishers TR: AFI 32-2001										
A2.3.3.1. Inspect	*							2b	B	-
A2.3.3.2. Position	*							2b	B	-
A2.3.3.3. Operate								b	-	-
A2.3.4. Foreign Object Damage (FOD) prevention program TR: AFI 21-101								B	-	-
A2.3.5. Dropped Object prevention program								-	-	-
A2.3.6. Hazardous chemicals TR: AFOSH Std 161-21										
A2.3.6.1. Use								A	B	-
A2.3.6.2. Disposal								A	B	-
A2.3.6.3. Hazard communication training program								B	-	-
*A2.4. MAINTENANCE DIRECTIVES, REFERENCES, AND INSTRUCTIONS TR: AFI 37-160 v1, AFI 21-3, TOs 00-5-1, 00-5-2, 00-20-5										
A2.4.1. TO system								A	B	-
A2.4.2. Air Force manuals and instructions								A	B	-
A2.4.3. Use technical publications	*							2b	-	-
A2.4.4. TO improvement reporting	*							A	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.5. SUPERVISION TR: AFI 21-101, AFI 21-114										
A2.5.1. Plan								-	-	-
A2.5.2. Schedule								-	-	-
A2.5.3. Supervise personnel accomplishing maintenance								-	-	-
A2.5.4. Establish										
A2.5.4.1. Work methods								-	-	-
A2.5.4.2. Work controls								-	-	-
A2.5.4.3. Performance standards								-	-	-
A2.5.5. Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-
A2.5.6. Resolve technical problems encountered by subordinates								-	-	-
A2.5.7. Counsel personnel and resolve individual problems								-	-	-
A2.5.8. Initiate action to correct substandard personnel TR: AFI 36-2907, AFI 36-2503								-	-	-
A2.5.9. Participate in USAF graduate evaluation program TR: AFI 36-2201								-	-	-
A2.6. TRAINING TR: AFI 36-2201										
A2.6.1. Evaluate personnel for training								-	-	-
A2.6.2. Plan and supervise OJT										
A2.6.2.1. Prepare job qualification standards								-	-	-
A2.6.2.2. Counsel trainees on training progress								-	-	-
A2.6.2.3. Monitor effectiveness of										

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.6.2.3.1. Career knowledge upgrade training								-	-	-
A2.6.2.3.2. Position qualification training								-	-	-
A2.6.3. Maintain training records								-	-	B
A2.6.4. Evaluate effectiveness of training programs								-	-	-
A2.6.5. Recommend personnel for training TR: AFCAT 36-2223, AFI 36-2101, AFM 36-2108, AFI 10-204								-	-	-
A2.6.6. OJT trainer requirements										
A2.6.6.1. Prepare teaching outlines or task breakdowns								-	-	-
A2.6.6.2. Provide trainees theory and train on actual equipment								-	-	-
A2.6.6.3. Provide feedback on training provided								-	-	-
A2.6.7. OJT task certifier requirements										
A2.6.7.1. Develop methods of evaluation to determine trainee knowledge qualification, and training effectiveness								-	-	-
A2.6.7.2. Use appropriate method of evaluation and effectively determine trainee's ability								-	-	-
A2.6.7.3. Provide supervision and trainer feedback on results of training provided and trainee's strengths/weakness								-	-	-
A2.7. MAINTENANCE MANAGEMENT TR: AFI 21-101, AFI 21-114										
A2.7.1. Basic functions within maintenance								A	B	-
A2.7.2. Maintenance data collection TR: AFM 66-279, TO 00-20 Series								A	B	-
A2.7.3. Processing and controlling material								-	-	B
A2.7.4. Management of training								-	-	-
A2.7.5. Resource management								-	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.7.6. Quality Air Force								A	-	-
A2.7.7. Personnel management								-	-	B
A2.7.8. Budget management								-	-	B
A2.7.9. Maintenance accountability								-	-	C
A2.7.10. Logistics maintenance management								-	-	B
*A2.8. MAINTENANCE AND INSPECTION										
A2.8.1. Maintenance Data Collection (MDC) System TR: AFM 66-279; TO 00-20 Series										
A2.8.1.1. Use Core Automated Maintenance system (CAMS)								2b	B	-
A2.8.1.2. Use Maintenance Data Collection forms								2b	B	-
A2.8.1.3. Product Quality Deficiency Reporting TR: TO 00-35D-54; AFM 66-279								A	B	B
A2.8.1.4. Use GO-81								-	-	-
A2.8.2. Aircraft Battle Damage Repair (ABDR) TR: TO 1-1H-39								-	B	-
*A2.9. MAINTENANCE MATERIALS AND TOOLS TR: TO 1-1A-8, 1-1A-14, -32 Series										
A2.9.1. Select and use restraint harness								-	-	-
A2.9.2. Select and use special tools								-	-	-
A2.9.3. Process PMEL Equipment								-	-	-
A2.9.4. Hardware										
A2.9.4.1. Purpose								A	B	-
A2.9.4.2. Use	*							2b	-	-
A2.9.5. Electrical connectors										
A2.9.5.1. Purpose								A	B	-
A2.9.5.2. Use	*							2b	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.9.6. Securing devices										
A2.9.6.1. Purpose								A	B	-
A2.9.6.2. Use	*							2b	-	-
A2.9.7. Lubricants								A	B	-
A2.9.8. Select and use Sealants								A	B	-
A2.9.9. Select and use Adhesives								A	B	-
A2.9.10. Select and use Cleaning agents TR: TO 1-1-691								A	B	-
A2.9.11. Hand tools TR: Applicable AFOSH Stds, TO -32 Series										
A2.9.11.1. Select								2b	-	-
A2.9.11.2. Use								2b	-	-
A2.9.12. Measuring tools TR: Applicable AFOSH Stds, TO-32 Series										
A2.9.12.1. Select								2b	-	-
A2.9.12.2. Use								2b	B	-
A2.9.13. Use multimeter								1b	B	-
A2.9.14. Torque wrench TR: Applicable AFOSH Stds, TO -32 Series										
A2.9.14.1. Select								2b	-	-
A2.9.14.2. Use								2b	B	-
A2.9.15. Tool control								-	-	-
*A2.10. RESPONSIBILITY FOR SUPPLY TR: AFM 67-1 v2 Pt 13, AFI 21-101, AFI 21-114										
A2.10.1. Maintenance supply concept								-	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.10.2. Obtain information for special requisition and turn-in slips								-	B	-
A2.10.3. Ordering parts								A	B	-
A2.10.4. Preparing repairable and serviceable parts for turn-in								A	B	-
A2.10.5. Depot level repair concepts								-	-	-
A2.10.6. Maintaining equipment accounts								-	-	-
A2.10.7. Local manufacture of parts								-	-	-
*A2.11. AIRCRAFT GENERAL										
A2.11.1. Use aircraft and supporting maintenance records TR: TO 00-20 Series; AFM 66-279								2b	B	-
A2.11.2 Determine weight and balance procedures								-	-	-
A2.11.3. Inventory aircraft equipment TR: AFI 21-103								-	-	-
A2.11.4. Engine and support warranty TR: TO 00-35D-54, 00-20-3								A	B	-
A2.11.5. Corrosion control program TR: TO 1-1-691										
A2.11.5.1. Aircraft cleaning								A	B	-
A2.11.5.2. Corrosion identification								A	B	-
A2.11.5.3. Corrosion treatment								A	B	-
A2.11.5.4. Lubricate aircraft								-	-	-
A2.11.6. Aircraft inspection TR: TO 00-20-5										
A2.11.6.1. Concepts	*							A	-	-
A2.11.6.2. Perform preflight inspection	*							1b	-	-
A2.11.6.3. Perform basic postflight inspection	*							1b	-	-
A2.11.7. Ground handling TR: Applicable AFOSH Stds, AFI 11-218, TO 00-25-172, Acft TOs								A	B	-
A2.11.8. Crash recovery								-	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.11.9. Perform inclement/cold weather procedures								-	-	-
A2.11.10. Debrief aircrews								-	-	-
A2.11.11. Determine cable change criteria								-	-	-
A2.11.12. Aircraft guarded switches										
A2.11.12.1. Design/function/proper identification								-	-	-
A2.11.12.2. Removal and replacement of covers								-	-	-
A2.11.12.3. Operational check								-	-	-
A2.11.13. Configure/reconfigure aircraft								-	-	-
A2.11.14. Fire and smoke detection/ suppression procedures								-	-	-
A2.11.15. Galley and equipment										
A2.11.15.1. Remove and install components								-	-	-
A2.11.15.2. Inspect/operational check components								-	-	-
A2.11.15.3. Troubleshoot galley mechanical system								-	-	-
A2.11.16. Lavatory and waste system										
A2.11.16.1. Remove/install/repair components								-	-	-
A2.11.16.2. Inspect/operational check components								-	-	-
A2.11.16.3. Troubleshoot lavatory/waste system								-	-	-
A2.11.17. Potable water system								-	-	-
A2.11.17.1. Remove and install potable water tank								-	-	-
A2.11.17.2. Remove and install potable water filter components								-	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.11.17.3. Inspect/operational check system								-	-	-
A2.11.17.4. Troubleshoot potable water mechanical system								-	-	-
*A2.12. AIRFRAME TR: Aircraft TO										
A2.12.1. Airframe structure								A	B	-
A2.12.2. Remove/install airframe components								1b	-	-
A2.12.3. Inspect airframe components								1b	-	-
A2.12.4. Remove/install/open/close/inspect										
A2.12.4.1. Crewmember/passenger seats								-	-	-
A2.12.4.2. Crew entry door/hatch								-	-	-
A2.12.4.3. Fuselage tailcone assembly								-	-	-
A2.12.4.4. Mechanical lock indicators on fuselage door systems								-	-	-
A2.12.4.5. Flight station windows/windshields								-	-	-
A2.12.4.6. Fuselage/cabin windows								-	-	-
A2.12.4.7. Fuselage doors								-	-	-
A2.12.4.8. Fuselage door seals								-	-	-
A2.12.4.9. Escape hatches								-	-	-
A2.12.4.10. Escape hatch seals								-	-	-
*A2.13. LANDING GEAR TR: Aircraft TO										
A2.13.1. Landing gear fundamentals								A	B	-
A2.13.2. Service										
A2.13.2.1. Shock Strut	*							1b	-	-
A2.13.2.2. Tire	*							1b	-	-
A2.13.3. Remove/Install										
A2.13.3.1. Wheel and tire assembly								1b	-	-
A2.13.3.2. Brake assembly								1b	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.13.3.3. Brake hose								-	-	-
A2.13.3.4. Brake swivel fitting								-	-	-
A2.13.3.5. Parking brake cable								-	-	-
A2.13.3.6. Landing gear doors								-	-	-
A2.13.3.7. Door locking mechanisms								-	-	-
A2.13.3.8. Steering components								-	-	-
A2.13.3.9. Trunion assembly								-	-	-
A2.13.3.10. Landing gear assembly								-	-	-
A2.13.3.11. Emergency extension components								-	-	-
A2.13.3.12. Torque arms								-	-	-
A2.13.3.13. Drag brace								-	-	-
A2.13.3.14. Uplock/downlock assemblies								-	-	-
A2.13.4. Bleed brakes								1b	-	-
A2.13.5. Inspect landing gear								1b	-	-
A2.13.6. Troubleshoot								-	B	c
A2.13.7. Operate										C
A2.13.7.1. Extension/retraction systems								-	-	-
A2.13.7.2. Steering systems								-	-	-
A2.13.7.3. Braking systems								-	-	-
A2.13.7.4. Anti-skid systems								-	-	-
A2.13.8. Disconnect and connect										
A2.13.8.1. Torque arms								-	-	-
A2.13.8.2. Doors								-	-	-
A2.13.9. Rig and adjust										
A2.13.9.1. Landing gear assembly								-	-	-
A2.13.9.2. Door assemblies								-	-	-
A2.13.9.3. Emergency extension systems								-	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.13.9.4. Parking brake cable								-	-	-
*A2.14. UTILITIES TR: Aircraft TO										
A2.14.1. Utility system fundamentals								A	B	-
A2.14.2. Air turbine motor (ATM)/ Air driven generator (ADG)/ Ram air turbine								-	-	-
A2.14.3. Smoke detection system								-	-	-
A2.14.4. Fresh/potable water system								-	-	-
A2.14.5. Waste water system								-	-	-
A2.14.6. Operate										
A2.14.6.1. Oxygen system								1b	-	-
A2.14.6.2. Fire/overheat warning system								1b	-	-
A2.14.6.3. Bleed air system								-	-	-
A2.14.6.4. Air conditioning system								-	-	-
A2.14.6.5. Pressurization system								-	-	-
A2.14.6.6. Anti-ice/de-ice system								-	-	-
A2.14.6.7. Rain removal system								-	-	-
A2.14.6.8. Fire extinguishing system								-	-	-
A2.14.6.9. Air turbine motor (ATM)/ Air driven generator (ADG)/ Ram air turbine								-	-	-
A2.14.6.10. Smoke detection system								-	-	-
A2.14.7. Inspect										
A2.14.7.1. Oxygen system								1b	-	-
A2.14.7.2. Fire/overheat warning system								1b	-	-
A2.14.7.3. De-ice system								-	-	-
A2.14.7.4. Windshield wiper system								-	-	-
A2.14.8. Purge/drain oxygen system								-	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.14.9. Remove/service/install portable oxygen bottles/unit								-	-	-
A2.14.10. Troubleshoot								-	-	-
A2.14.10.1. Bleed air system								-	-	-
A2.14.10.2. Fire/overheat warning system								-	-	-
A2.14.10.3. Air conditioning system								-	-	-
A2.14.10.4. Pressurization system								-	-	-
A2.14.10.5. Anti-ice/de-ice systems								-	-	-
A2.14.10.6. Rain removal system								-	-	-
A2.14.10.7. Fire extinguishing system								-	-	-
A2.14.10.8. Oxygen system								-	-	-
A2.14.10.9. Smoke detection system								-	-	-
*A2.15. FLIGHT CONTROLS TR: Aircraft TO										
A2.15.1. Flight control system fundamentals								A	B	-
A2.15.2. Operate flight controls								1b	-	-
A2.15.3. Flight control components										
A2.15.3.1. Identification								A	-	-
A2.15.3.2. Inspect								1b	-	-
A2.15.3.3. Troubleshoot								-	B	c
A2.15.4. Rig/adjust										
A2.15.4.1. Roll control system								-	-	-
A2.15.4.2. Pitch control system								-	-	-
A2.15.4.3. Yaw control system								-	-	-
A2.15.4.4. Pitch trim system								-	-	-
A2.15.4.5. Flap system								-	-	-
A2.15.4.6. Slat system								-	-	-
A2.15.4.7. Spoiler/speed brake system								-	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.15.4.8. Aileron trim system								-	-	-
A2.15.4.9. Rudder trim system								-	-	-
A2.15.5. Remove and install flight control components										
A2.15.5.1. Rudder pedal adjustment components								-	-	-
A2.15.5.2. Aileron mechanical components								-	-	-
A2.15.5.3. Spoiler panels								-	-	-
A2.15.5.4. Trim system components								-	-	-
A2.15.5.5. Aileron control wheel								-	-	-
A2.15.5.6. Control column/stick assembly								-	-	-
A2.15.5.7. Cable tension regulator								-	-	-
*A2.16. HYDRAULICS TR: Aircraft TO										
A2.16.1. Hydraulic system fundamentals								A	B	-
A2.16.2. Service										
A2.16.2.1. Reservoir								1b	-	-
A2.16.2.2. Accumulator								1b	-	-
A2.16.3. Remove/install hydraulic components										
A2.16.3.1. Tubing/hoses								1b	-	-
A2.16.3.2. Fittings								1b	-	-
A2.16.3.3. Filter elements								1b	-	-
A2.16.4. Inspect hydraulic system								1b	-	-
A2.16.5. Troubleshoot								-	B	c
A2.16.6. Reposition/retorque lines for minor leaks								-	-	-
A2.16.7. Connect/disconnect hydraulic tester								-	-	-
A2.16.8. Connect/disconnect external pneumatics								-	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A2.17. ENGINES TR: Aircraft TO										
A2.17.1. Engine system fundamentals								A	B	-
A2.17.2. Engine components										
A2.17.2.1. Identify								1b	-	-
A2.17.2.2. Inspect Engine Components								1b	-	-
A2.17.2.3. Inspect auxiliary power unit		*						-	-	-
A2.17.3. Service Oil System	*							a	-	-
A2.17.4. Take JOAP sample								1b	-	-
A2.17.5. Joint Oil Analysis Program								-	B	-
A2.17.6. Troubleshoot										
A2.17.6.1. Engine bleed air								-	-	b
A2.17.6.2. Starter system								-	-	b
A2.17.6.3. Auxiliary power unit								-	-	b
A2.17.6.4. Throttle system								-	-	b
A2.17.6.5. Emergency shutoff "T" handle system								-	-	b
A2.17.7. Remove and install										
A2.17.7.1. Starter control valve								-	-	-
A2.17.7.2. Fuel filter								-	-	-
A2.17.7.3. Oil filter								-	-	-
A2.17.7.4. Engine cowling								-	-	-
A2.17.7.5. Cowling locks								-	-	-
A2.17.7.6. Throttle control cable								-	-	-
A2.17.7.7. Throttle cable tension regulator								-	-	-
A2.17.7.8. Emergency shutoff "T" handle cable								-	-	-
A2.17.8. Blend compressor/stator/fan blades								-	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.17.9. Rig/adjust throttle cable/tension regulator								-	-	-
*A2.18. FUELS TR: Aircraft TO										
A2.18.1. Fuel system fundamentals								A	B	-
A2.18.2. Operate system								1b	-	-
A2.18.3. Inspect fuel system								1b	-	-
A2.18.4. Classify fuel leaks								-	-	-
A2.18.5. Troubleshoot								-	-	-
A2.18.6. Refuel/defuel aircraft								-	-	-
A2.18.7. Ground transfer fuel								-	-	-
A2.18.8. Drain fuel sumps								-	-	-
*A2.19. ELECTRICAL TR: Aircraft TO										
A2.19.1. Electrical system fundamentals								A	B	-
A2.19.2. Operate system										
A2.19.2.1. AC Electrical System								-	-	-
A2.19.2.2. DC Electrical System								-	-	-
A2.19.2.3. Interior/exterior lighting systems								1b	-	-
A2.19.2.4. Indicator warning lights								1b	-	-
A2.19.3. Remove/Install electrical and lighting components								1b	-	-
A2.19.4. Inspect electrical system								1b	-	-
A2.19.5. Troubleshoot								-	-	b
*A2.20. AEROSPACE GROUND EQUIPMENT TR: AFOSH Std 91-66										
A2.20.1. Maintenance stands TR: AFOSH Std 91-2, TO 35A4 Series										
A2.20.1.1. Purpose and description								A	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.20.1.2. Perform pre-use inspection								2b	-	-
A2.20.1.3. Operate								2b	-	-
A2.20.2. Engine stands and dollies TR: 35D3 Series										
A2.20.2.1. Purpose and description								-	B	-
A2.20.2.2. Perform pre-use inspection								-	-	-
A2.20.2.3. Operate								-	-	-
A2.20.3. Aircraft jacks TR: TO 35A2 Series										
A2.20.3.1. Purpose and description								A	B	-
A2.20.3.2. Perform pre-use inspection								2b	-	-
A2.20.3.3. Operate								2b	-	-
A2.20.4. Gaseous oxygen servicing equipment TR: TOs 15X-1-1, 37C2-8										
A2.20.4.1. Purpose and description								A	B	-
A2.20.4.2. Perform pre-use inspection								1b	-	-
A2.20.4.3. Operate								1b	-	-
A2.20.5. Liquid oxygen servicing equipment TR: TOs 15X-1-1, 37C2-8										
A2.20.5.1. Purpose and description								A	B	-
A2.20.5.2. Perform pre-use inspection								1b	-	-
A2.20.5.3. Operate	*							1b	-	-
A2.20.6. Air compressors TR: TO 34Y1 Series										
A2.20.6.1. Purpose and description								A	B	-
A2.20.6.2. Perform pre-use inspection								2b	-	-
A2.20.6.3. Operate								2b	-	-
A2.20.7. Ground heaters and blowers TR: 35E7 Series										
A2.20.7.1. Purpose and description								A	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A2.20.7.2. Perform pre-use inspection								2b	-	-
A2.20.7.3. Operate								2b	-	-
A2.20.8. Generator Sets TR: TO 35C2 Series										
A2.20.8.1. Purpose and description								A	B	-
A2.20.8.2. Perform pre-use inspection								2b	-	-
A2.20.8.3. Operate								2b	-	-
A2.20.9. Lighting equipment TR: TO 35F5 Series										
A2.20.9.1. Purpose and description								A	B	-
A2.20.9.2. Perform pre-use inspection								2b	-	-
A2.20.9.3. Operate								2b	-	-
A2.20.10. Hydraulic test stand TR: TO 33A2 Series										
A2.20.10.1. Purpose and description								A	B	-
A2.20.10.2. Perform pre-use inspection								-	-	-
A2.20.10.3. Operate								-	-	-
A2.20.11. Air conditioning units TR: TO 35E9 Series										
A2.20.11.1. Purpose and description								A	B	-
A2.20.11.2. Perform pre-use inspection								-	-	-
A2.20.11.3. Operate								-	-	-
A2.20.12. Gas turbine compressors TR: TO 35D12 Series										
A2.20.12.1. Purpose and description								A	B	-
A2.20.12.2. Perform pre-use inspection								2b	-	-
A2.20.12.3. Operate								2b	-	-
A2.20.13. Tow vehicles TR: TO 36A10 Series										
A2.20.13.1. Purpose and description								A	B	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.20.13.2. Perform pre-use inspection								-	-	-	-
A2.20.13.3. Operate								-	-	-	-
A2.20.14. Liquid nitrogen servicing equipment TR: TO 35D3 Series											
A2.20.14.1. Purpose and description								A	B	-	-
A2.20.14.2. Perform pre-use inspection								1b	-	-	-
A2.20.14.3. Operate								1b	-	-	-
A2.20.15. Gaseous nitrogen servicing equipment TR: TO 35D3 Series											
A2.20.15.1. Purpose and description								A	B	-	-
A2.20.15.2. Perform pre-use inspection								1b	-	-	-
A2.20.15.3. Operate								1b	-	-	-
A2.20.16. Oil servicing carts TR: TO 35A17											
A2.20.16.1. Purpose and description								A	B	-	-
A2.20.16.2. Perform pre-use inspection								-	-	-	-
A2.20.16.3. Operate								-	-	-	-
A2.20.17. Hydraulic servicing carts TR: TO 35D29 Series											
A2.20.17.1. Purpose and description								A	B	-	-
A2.20.17.2. Perform pre-use inspection								-	-	-	-
A2.20.17.3. Operate								-	-	-	-
A2.20.18. Engine test equipment, Borescope TR: Aircraft, engine TOs								-	B	-	-
A2.20.19. Crash recovery equipment											
A2.20.19.1. Purpose								A	B	-	-
A2.20.19.2. Maintenance								-	-	-	-
A2.20.19.3. Use								-	A	-	-

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

FUNDAMENTAL REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

Note 1: This attachment is to be used in conjunction with Attachment 2.

*A3.1. AIRCRAFT GENERAL

A3.1.1. Periodic inspection concept and inspection

TR: TO 00-20-5

A3.1.1.1. Periodic inspection concept

TR: TO 1B-1B-6

A3.1.1.2. Perform inspections

A3.1.1.2.1. Preflight

TR: TO 1B-1B-6WC-1

A3.1.1.2.2. Thruflight

TR: TO 1B-1B-6WC-1

A3.1.1.2.3. Hourly postflight

TR: TO 1B-1B-6WC-1

A3.1.1.2.4. Periodic

TR: TO 1B-1B-6WC-2

A3.1.1.2.5. Acceptance

A3.1.1.2.6. Calendar

A3.1.1.2.7. Special

A3.1.1.2.8. Time change item

A3.1.2. Organizational Maintenance Manual Set (OMMS) TOs

A3.1.2.1. OMMS TOs

TR: OMMS Manual Set

A3.1.2.2. Use OMMS TOs

TR: OMMS Manual Set

A3.1.3. Aircraft communications equipment

A3.1.3.1. Operate radio

A3.1.3.2. Use interphone

TR: TO 1B-1B-2-05JG-10-1

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.1.4. Perform ground handling TR: AFR 60-11; AFOSH Std 127-66; TO 00-25-172										
A3.1.4.1. Launch aircraft TR: TOs 1B-1B-1-1, 1B-1B-2-05GS-00-1	*							2b	-	-
A3.1.4.2. Recover aircraft TR: TO 1B-1B-2-05GS-00-1	*							2b	-	-
A3.1.4.3. Tow aircraft										
A3.1.4.3.1. Wing/tail walker TR: TO 1B-1B-2-05JG-10-1	*							2b	-	-
A3.1.4.3.2. Brake operator TR: TO 1B-1B-2-05JG-10-1	*							2b	-	-
A3.1.4.3.3. Tow team supervisor		*						-	-	-
A3.1.4.3.4. Tow vehicle operator								-	-	-
A3.1.4.4. Jack and level aircraft										
A3.1.4.4.1. Jacking team member TR: TO 1B-1B-2-05JG-80-1	*							b	-	-
A3.1.4.4.2. Jacking supervisor								-	-	-
A3.1.4.4.3. Operate jacking manifold								-	-	-
A3.1.4.5. Axle jacking TR: TO 1B-1B-2-05JG-80-1	*							2b	-	-
A3.1.4.6. Crash recovery								-	-	-
A3.1.5. Weight and balance functions								-	-	-
A3.1.6. Safe Aircraft for Maintenance TR: TO 1B-1B-2-05JG-20-1	*							3c	-	-
A3.1.7. Hardness critical procedures TR: TO 1B-1B-2-XXJG-00-1	*							2b	-	-
A3.1.8. Simulate airborne TR: TO 1B-1B-2-05JG-20-1	*							-	-	-
*A3.2. AIRFRAME SYSTEMS										

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.2.1. Airframe components and structure TR: TOs 1B-1B-2-51GS-00-1 thru 1B-1B-2-57GS-00-1								B	-	-	-
A3.2.2. Operate entry door/hatch TR: TO 1B-1B-2-05JG-10-1	*							2b	-	-	-
A3.2.3. Perform operational check entry door/hatch TR: TO 1B-1B-2-52JG-10-1								-	-	-	-
A3.2.4. Weapons bay door TR: TO 1B-1B-2-05JG-50-1		*						b	-	-	-
A3.2.5. Perform operational check weapons bay door TR: TO 1B-1B-2-94JG-90-1	*							-	-	-	-
A3.2.6. Operate Weapons bay spoiler								-	-	-	-
A3.2.7. Operate Aft hatches								B	-	-	-
A3.2.8. Operate Wheel well doors TR: TO 1B-1B-2-05JG-50-1	*							2b	-	-	-
A3.2.9. Remove/install											
A3.2.9.1. Engine Bay Door								-	-	-	-
A3.2.9.2. Panels TR: TOs 1B-1B-2-51JG-00-1 thru 1B-1B-2-51JG-00-9	*							2b	-	-	-
A3.2.9.3. Nonexplosive seats								-	-	-	-
A3.2.9.4. Windows								-	-	-	-
A3.2.9.5. Radomes								-	-	-	-
A3.2.9.6. Thermal curtains								-	-	-	-
A3.2.9.7. Weapons bay doors TR: TO 1B-1B-2-52JG-30-1								-	-	-	-
A3.2.9.7.1. PDU's TR: TO 1B-1B-2-94JG-40-2&3								-	-	-	-
A3.2.9.7.2. Rotary actuators TR: TO 1B-1B-2-94JG-40-2&3								-	-	-	-
A3.2.9.8. Weapons bay spoilers TR: TO 1B-1B-2-94JG-90-3								-	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.2.9.9. Entry door/stair ladder TR: TO1B-1B-2-52JG-30-1								-	-	-
A3.2.9.9.1. Actuator/gearbox assy								-	-	-
A3.2.9.9.2. Actuator motor								-	-	-
A3.2.9.9.3. Chain								-	-	-
A3.2.9.9.4. Latching control mechanism								-	-	-
A3.2.10. Open/close										
A3.2.10.1. Engine Bay Door TR: TO 1B-1B-2-05JG-50-1	*							2b	-	-
A3.2.10.2. Radomes TR: TO 1B-1B-2-05JG-50-1								2b	-	-
A3.2.11. Secondary structure inspection		*						-	-	-
A3.2.12. Perform aircraft cold weather procedures								-	-	-
A3.2.13. Adjust/rig										
A3.2.13.1. Weapons bay doors TR: TO 1B-1B-2-52JG-30-1								-	-	-
A3.2.13.1.1. PDU's TR: TO 1B-1B-2-94JG-40-2&3								-	-	-
A3.2.13.1.2. Rotary actuators TR: TO 1B-1B-2-94JG-40-2&3								-	-	-
A3.2.13.2. Weapons bay spoilers TR: TO 1B-1B-2-52JG-30-1								-	-	-
A3.2.13.3. Entry door/stair ladder TR: TO1B-1B-2-52JG-10-1								-	-	-
A3.2.13.3.1. Actuator/gearbox assy								-	-	-
A3.2.13.3.2. Actuator motor								-	-	-
A3.2.13.3.3. Chain								-	-	-
A3.2.13.3.4. Latching control mechanism								-	-	-
A3.2.13.4. Entry door uplock system TR: TR 1B-1B-2-52JG-10-1								-	-	-
*A3.3. LANDING GEAR SYSTEMS										

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.3.1. Landing gear components and system operation TR: TO 1B-1B-2-32GS-00-1								B	-	-	-
A3.3.2. Perform operational check								-	-	-	-
A3.3.2.1. Landing gear TR: TO 1B-1B-2-52JG-30-1								-	-	-	-
A3.3.2.2. Brakes								-	-	-	-
A3.3.2.3. Steering system								-	-	-	-
A3.3.2.4. Anti skid								-	-	-	-
A3.3.3. Operate	*										
A3.3.3.1. Brakes TR: TO 1B-1B-2-32JG-40-1	*							2b	-	-	-
A3.3.3.2. Steering								-	-	-	-
A3.3.3.3. Anti skid								-	-	-	-
A3.3.4. Service											
A3.3.4.1. Landing gear struts											
A3.3.4.1.1. Nitrogen TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-	-
A3.3.4.1.2. Hydraulic fluid TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-	-
A3.3.4.2. Axle beam positioner											
A3.3.4.2.1. Nitrogen TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-	-
A3.3.4.2.2. Hydraulic fluid TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-	-
A3.3.4.3. Nose wheel steering gearbox TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-	-
A3.3.4.4. Tires TR: TOS 4T-1-3, 1B-2-12JG-30-1	*							2b	-	-	-
A3.3.5. Lubricate landing gear components TR: TOS 1B-1B-6WC-2, 1B-1B-2-12JG-40-1								-	-	-	-
A3.3.6. Remove/install											

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.3.6.1. Wheel and tire assemblies TR: TO 1B-1B-2-32JG-40-4	*	*						2b	-	-
A3.3.6.2. Brake assemblies TR: TO 1B-1B-2-32JG-40-3		*						-	-	-
A3.3.6.3. Nose gear strut assembly TR: TO 1B-1B-2-32JG-10-1								-	-	-
A3.3.6.4. Nose gear wheel well doors TR: TO 1B-1B-2-52JG-80-1								-	-	-
A3.3.6.5. Main gear strut assembly TR: TO 1B-1B-2-32JG-10-1								-	-	-
A3.3.6.6. Main gear axle beam positioner TR: TO 1B-1B-2-32JG-10-3								-	-	-
A3.3.6.7. Main gear wheel well doors TR: TO 1B-1B-2-52JG-80-1		*						-	-	-
A3.3.7. Bleed brake systems TR: TO 1B-1B-2-32JG-40-1		*						-	-	-
A3.3.8. Troubleshoot landing gear system								-	-	-
*A3.4. UTILITY SYSTEMS										
A3.4.1. Utility components and system operation TR: TOs 1B-1B-2-21GS-00-1, 1B-1B-2-26GS-00-1, 1B-1B-2-30GS-00-1, 1B-1B-2-35GS-00-1								B	-	-
A3.4.2. Perform operational check										
A3.4.2.1. Bleed air system								-	-	-
A3.4.2.2. Air conditioning system								-	-	-
A3.4.2.3. Pressurization system								-	-	-
A3.4.2.4. Anti-ice/de-ice system								-	-	-
A3.4.2.5. Fire/overheat warning system								-	-	-
A3.4.2.6. Fire extinguishing system								-	-	-
A3.4.2.7. Oxygen system								-	-	-
A3.4.3. Operate										

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.4.3.1. Bleed air system TR: TO 1B-1B-2-21JG-00-1								-	-	-	-
A3.4.3.2. Air conditioning system TR: TO 1B-1B-2-21JG-10-2								-	-	-	-
A3.4.3.3. Fire/overheat warning system TR: TO 1B-1B-2-26JG-10-1								-	-	-	-
A3.4.3.4. Fire extinguishing system TR: TO 1B-1B-2-26JG-20-1								-	-	-	-
A3.4.4. Oxygen system TR: TOs 00-25-172, 1B-1B-2-35GS-00-1											
A3.4.4.1. Service TR: TO 1B-1B-2-12JG-20-1	*							2b	-	-	-
A3.4.4.2. Drain								-	-	-	-
A3.4.4.3. Purge								-	-	-	-
A3.4.5. Service environmental systems TR: TOs 1B-1B-2-12JG-20-1, 1B-1B-2-12JG-30-1	*							2b	-	-	-
*A3.5. FLIGHT CONTROL SYSTEM											
A3.5.1. Flight control components and system operation TR: TO 1B-1B-2-27GS-00-1								B	-	-	-
A3.5.2. Perform operational check of flight controls								-	-	-	-
A3.5.3. Operate flight controls TR: TOs 1B-1B-2-27JG-10-1, 1B-1B-2-27JG-20-1, 1B-1B-27JG-30-1											
A3.5.3.1. Roll control	*							2b	-	-	-
A3.5.3.2. Pitch control	*							2b	-	-	-
A3.5.3.3. Yaw control	*							2b	-	-	-
A3.5.3.4. Flap/slat control	*							2b	-	-	-
A3.5.3.5. Operate Wing Sweep TR: TO 1B-1B-2-27JG-80-1		*						-	-	-	-
A3.5.4. Remove/install flight control components								-	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.5.4.1. Spoiler master micro-adjust rod TR: TO 1B-1B-2-27JG-10-1								-	-	-	-
A3.5.4.2. Roll master servo cylinder TR: TO 1B-1B-2-27JG-10-1								-	-	-	-
A3.5.4.3. Spoiler panel servo cylinder TR: TO 1B-1B-2-27JG-10-1								-	-	-	-
A3.5.4.4. Roll feel bungee TR: TO 1B-1B-2-27JG-10-2								-	-	-	-
A3.5.4.5. Roll disengage mechanism TR: TO 1B-1B-2-27JG-10-2								-	-	-	-
A3.5.4.6. Cable tension regulator bungee TR: TO 1B-1B-2-27JG-10-3								-	-	-	-
A3.5.4.7. Roll centering bungee TR: TO 1B-1B-2-27JG-10-3								-	-	-	-
A3.5.4.8. Inboard spoiler override bungee TR: TO 1B-1B-2-27JG-10-3								-	-	-	-
A3.5.4.9. Roll aft feel bungee TR: TO 1B-1B-2-27JG-10-3								-	-	-	-
A3.5.4.10. Outboard spoiler EM actuator TR: TO 1B-1B-2-27JG-10-3								-	-	-	-
A3.5.4.11. Outboard spoiler override bungee TR: TO 1B-1B-2-27JG-10-4								-	-	-	-
A3.5.4.12. Horizontal stabilizer roll trim actuator TR: TO 1B-1B-2-27JG-10-4								-	-	-	-
A3.5.4.13. Speedbrake/spoiler roll trim actuator TR: TO 1B-1B-2-27JG-10-4								-	-	-	-
A3.5.4.14. Adjusto bolts TR: TO 1B-1B-2-27JG-20-1								-	-	-	-
A3.5.4.15. Pilot/copilot pedals TR: TO 1B-1B-2-27JG-20-2								-	-	-	-
A3.5.4.16. Rudder forward/aft power drive unit TR: TO 1B-1B-2-27JG-20-2								-	-	-	-
A3.5.4.17. Upper rudder TR: TO 1B-1B-2-55JG Series								-	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.5.4.18. Intermediate rudder TR: TO 1B-1B-2-55JG Series								-	-	-
A3.5.4.19. Lower rudder TR: TO 1B-1B-2-55JG Series								-	-	-
A3.5.4.20. Yaw trim actuator TR: TO 1B-1B-2-27JG-20-3								-	-	-
A3.5.4.21. Yaw limiter actuator TR: TO 1B-1B-2-27JG-20-3								-	-	-
A3.5.4.22. Pitch master servo cylinder TR: TO 1B-1B-2-27JG-30-1								-	-	-
A3.5.4.23. Horizontal stab upper/lower servo cylinder TR: TO 1B-1B-2-27JG-30-2								-	-	-
A3.5.4.24. Pitch aft feel bungee TR: TO 1B-1B-2-27JG-30-2								-	-	-
A3.5.4.25. Pitch master cylinder override bungee TR: TO 1B-1B-2-27JG-30-2								-	-	-
A3.5.4.26. Pitch override bungee TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.27. Pitch disengage mechanism TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.28. Pitch forward feel bungee TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.29. Stick disengage handle TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.30. Pitch centering bungee TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.31. Linkage shaker motor TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.32. Pitch trim actuator TR: TO 1B-1B-2-27JG-30-3								-	-	-
A3.5.4.33. Roll SCAS override bungee TR: TO 1B-1B-2-27JG-40-2								-	-	-
A3.5.4.34. Roll SCAS centering bungee TR: TO 1B-1B-2-27JG-40-2								-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.5.4.35. Roll SCAS stick transducer TR: TO 1B-1B-2-27JG-40-2								-	-	-	-
A3.5.4.36. Lower rudder servo cylinder TR: TO 1B-1B-2-27JG-40-3								-	-	-	-
A3.5.4.37. Yaw SCAS override bungee TR: TO 1B-1B-2-27JG-40-4								-	-	-	-
A3.5.4.38. Yaw SCAS pedal transducer TR: TO 1B-1B-2-27JG-40-4								-	-	-	-
A3.5.4.39. Pitch SCAS stick transducer TR: TO 1B-1B-2-27JG-40-4								-	-	-	-
A3.5.4.40. Wing fairing TR: TO 1B-1B-2-53JG Series								-	-	-	-
A3.5.4.41. Wing sweep gear subassembly (GSA) drive coupling/shaft TR: TO 1B-1B-2-27JG-80-1								-	-	-	-
A3.5.4.42. Wing sweep drive coupling TR: TO 1B-1B-2-27JG-80-2								-	-	-	-
A3.5.4.43. Wing sweep GSA TR: TO 1B-1B-2-27JG-80-2								-	-	-	-
A3.5.4.44. Right angle drive gearbox TR: TO 1B-1B-2-27JG-80-2								-	-	-	-
A3.5.4.45. Ballscrew actuator TR: TO 1B-1B-2-27JG-80-2								-	-	-	-
A3.5.4.46. Mechanical control linkage TR: TO 1B-1B-2-27JG-80-3								-	-	-	-
A3.5.4.47. Wing sweep ground interlock control cable assembly TR: TO 1B-1B-2-27JG-80-3								-	-	-	-
A3.5.4.48. Left angle drive gearbox TR: TO 1B-1B-2-27JG-80-3								-	-	-	-
A3.5.4.49. Alternate wing sweep control actuator TR: TO 1B-1B-2-27JG-80-3								-	-	-	-
A3.5.4.50. Flap/slat torque limiter TR: TO 1B-1B-2-27JG-80-6								-	-	-	-
A3.5.4.51. Flap/slat angle drive gearbox TR: TO 1B-1B-2-27JG-80-6								-	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.5.4.52. Slat offset gearbox TR: TO 1B-1B-2-27JG-80-6								-	-	-
A3.5.4.53. Flap step-over gearbox TR: TO 1B-1B-2-27JG-80-7								-	-	-
A3.5.4.54. Slat step-over gearbox TR: TO 1B-1B-2-27JG-80-7								-	-	-
A3.5.4.55. Flap/slat power drive unit TR: TO 1B-1B-2-27JG-80-7								-	-	-
A3.5.4.56. Flap/slat jack-screw TR: TO 1B-1B-2-27JG-80-7								-	-	-
A3.5.4.57. Flap segments TR: TO 1B-1B-2-57JG Series								-	-	-
A3.5.4.58. Slat segments TR: TO 1B-1B-2-57JG Series								-	-	-
A3.5.4.59. Flap/slat interlock TR: TO 1B-1B-2-27JG-80-4								-	-	-
A3.5.4.60. SMCS vanes TR: TO 1B-1B-2-56JG Series								-	-	-
A3.5.5. Inspect flight controls TR: TO 1B-1B-6								-	-	-
A3.5.6. Lubricate flight controls TR: TOs 1B-1B-6WC-2, 1B-1B-2-12JG-30-1, 1B-1B-2-12JG-40-1								-	-	-
A3.5.7. Rig/adjust flight controls								-	-	-
A3.5.7.1. Roll control TR: TO 1B-1B-2-27JG Series								-	-	-
A3.5.7.2. Outboard spoiler control TR: TO 1B-1B-2-27JG-10-3								-	-	-
A3.5.7.3. Yaw control TR: TO 1B-1B-2-27JG-20-1								-	-	-
A3.5.7.4. Pitch control TR: TO 1B-1B-2-27JG-30-1								-	-	-
A3.5.7.5. Stick position versus surface position check TR: TO 1B-1B-2-27JG-30-1								-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.5.7.6. Roll SCAS TR: TO 1B-1B-2-27JG-40 Series								-	-	-
A3.5.7.7. Pitch SCAS TR: TO 1B-1B-2-27JG-40 Series								-	-	-
A3.5.7.8. Wing sweep TR: TO 1B-1B-2-27JG-80-1								-	-	-
A3.5.7.9. Flap/slat TR: TO 1B-1B-2-27JG-80-4								-	-	-
A3.5.8. Troubleshoot flight controls								-	-	-
A3.5.9. Flight control hydraulic actuator alignment test set (OSE 14H02) TR: TO 33D3-15-26-1								-	-	-
A3.5.9.1. Inspect								-	-	-
A3.5.9.2. Setup								-	-	-
A3.5.9.3. Operate								-	-	-
*A3.6. HYDRAULIC SYSTEMS										
A3.6.1. Hydraulic components and system operation TR: TO 1B-1B-2-29GS-00-1								B	-	-
A3.6.2. Hydraulic system										
A3.6.2.1. Service										
A3.6.2.1.1. Reservoir TR: TO 1B-1B-2-12JG-20-1	*							2b	-	-
A3.6.2.1.2. Accumulator TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-
A3.6.2.2. Apply hydraulic power										
A3.6.2.2.1. Using APU TR: TOs 1B-1B-2-49JG-00-1, 1B-1B-2-49JG-00-2	*R							2b	-	-
A3.6.2.2.2. Hydraulic test stand TR: TO 1B-1B-2-29JG-00-1								-	-	-
A3.6.2.2.3. Using engines								-	-	-
A3.6.3. Perform Leak Checks TR: TO 1B-1B-2-29JG-00-1	*							b	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A3.6.4. Remove/install hydraulic components TR: TOs 1B-1B-2-29JG-00-1, 1B-1B-2-29JG-10-1 thru 10-3, 1B-1B-2-29JG-30-1								-	-	-
A3.6.5. Reposition and Torque line connections								-	-	-
*A3.7. ENGINES										
A3.7.1. Engine and auxiliary power unit (APU) components and system operation TR: TOs 1B-1B-2-70GS-00-1 thru 1B-1B-2-83GS-00-1, 1B-1B-2-49GS-00-1								B	-	-
A3.7.2. Perform engine operational check								-	-	-
A3.7.3. Operate										
A3.7.3.1. Engine and subsystems								-	-	-
A3.7.3.2. Auxiliary power units and subsystems TR: TO 1B-1B-2-49JG-00-2	*R							2b	-	-
A3.7.4. Service										
A3.7.4.1. Oil system TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-
A3.7.4.2. Integrated drive generator TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-
A3.7.4.3. Accessory drive gearbox TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-
A3.7.4.4. Auxiliary power units TR: TO 1B-1B-2-12JG-30-1	*							2b	-	-
A3.7.5. Remove/install										
A3.7.5.1. Air turbine starter								-	-	-
A3.7.5.2. Starter control valve								-	-	-
A3.7.5.3. Engine								-	-	-
A3.7.6. Take engine oil sample TR: TOs 33-1-37, 1B-1B-2-12JG-30-1	*							2b	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.7.7. Perform leak checks TR: TO 70 Series	*R							b	-	-	-
A3.7.8. Motor Engines								-	-	-	-
A3.7.9. Air intake moveable lip components and system operation TR: TO 1B-1B-2-71JG-60-1											
A3.7.9.1. Perform operational check of air intake moveable lip (ground power) TR: TO 1B-1B-2-71JG-60-1								-	-	-	-
A3.7.9.2. Perform operational check of air intake moveable lip (forward crew station) TR: TO 1B-1B-2-71JG-60-1								-	-	-	-
A3.7.9.3. Remove/install air intake moveable lip components											
A3.7.9.3.1. Moveable lip upper linear actuator TR: TO 1B-1B-2-71JG-60-1								-	-	-	-
A3.7.9.3.2. Moveable lip lower linear actuator TR: TO 1B-1B-2-71JG-60-1								-	-	-	-
A3.7.9.3.3. Moveable lip power drive unit TR: TO 1B-1B-2-71JG-60-1								-	-	-	-
A3.7.9.3.4. Moveable lip TR: TO 1B-1B-2-54JG-20-1								-	-	-	-
A3.7.9.4. Rig/adjust air intake moveable lip components TR: TO 1B-1B-2-71JG-60-1								-	-	-	-
*A3.8. AIRCRAFT FUEL SYSTEMS TR: Applicable AFOSH Standards, TO 00-25-172											
A3.8.1. Fuel components and system operation TR: TO 1B-1B-2-28GS-00-1								B	-	-	-
A3.8.2. Refuel aircraft											
A3.8.2.1. Team member TR: TO 1B-1B-2-12JG-10-1	*							2b	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.8.2.2. Team panel operator											
A3.8.2.2.1. Auto TR: TO 1B-1B-2-12JG-10-1	*							2b	-	-	-
A3.8.2.2.2. Manual TR: TO 1B-1B-2-12JG-10-1	*							2b	-	-	-
A3.8.2.3. Team supervisor											
A3.8.2.3.1. Auto		*						-	-	-	-
A3.8.2.3.2. Manual		*						-	-	-	-
A3.8.3. Defuel aircraft											
A3.8.3.1. Team member TR: TO 1B-1B-2-12JG-10-1								2b	-	-	-
A3.8.3.2. Team panel operator											
A3.8.3.2.1. Auto TR: TO 1B-1B-2-12JG-10-1								2b	-	-	-
A3.8.3.2.2. Manual TR: TO 1B-1B-2-12JG-10-1								2b	-	-	-
A3.8.3.3. Team supervisor											
A3.8.3.3.1. Auto								-	-	-	-
A3.8.3.3.2. Manual								-	-	-	-
A3.8.4. Prepare aircraft for fuel cell maintenance TR: TO 1-1-3								-	-	-	-
A3.8.5. UARRSI system											
A3.8.5.1. Operate UARRSI Door TR: TO 1B-1B-2-28JG-20-5	*							2b	-	-	-
A3.8.6. Ground transfer fuel TR: TO 1B-1B-2-28JG-00-1	*							2b	-	-	-
A3.8.7. 180 inch weapons bay tank											
A3.8.7.1. Remove		*						-	-	-	-
A3.8.7.2. Install		*						-	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A3.9. ELECTRICAL SYSTEMS								B	-	-	-
A3.9.1. Electrical components and system operation TR: TO 1B-1B-2-24GS-00-1											
A3.9.2. Perform operational check with external power unit/APU											
A3.9.2.1. Electrical power supply system								-	-	-	-
A3.9.2.2. Lighting system (Including Warning Lights)								-	-	-	-
A3.9.3. Operate lighting system											
A3.9.3.1. Internal								-	-	-	-
A3.9.3.2. External								-	-	-	-
A3.9.4. Remove/install											
A3.9.4.1. Light lenses TR: TOs 1B-1B-2-33JG-10-1 thru 1B-1B-2-33JG-50-1	*							2b	-	-	-
A3.9.4.2. Light bulbs TR: TOs 1B-1B-2-33JG-10-1 thru 1B-1B-2-33JG-50-1	*							2b	-	-	-
A3.9.4.3. Batteries TR: TOs 1B-1B-2-24JG-00-1, 1B-1B-2-24JG-30-1	*							2b	-	-	-
A3.9.5. Connect/Apply external electrical power TR: TO 1B-1B-2-05JG-10-1	*							2b	-	-	-
A3.9.6. Disconnect external electrical power TR: TO 1B-1B-2-05JG-10-1	*							2b	-	-	-
*A3.10. EGRESS SYSTEM											
A3.10.1. Egress components and system operation TR: TO 1B-1B-2-95GS-00-1								A	-	-	-
A3.10.2. Operate seat adjustment TR: TO 1B-1B-2-95JG-00-1	*							2b	-	-	-
A3.10.3. Remove/install safety pins TR: TO 1B-1B-2-05JG-20-1	*							2b	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A3.11. AEROSPACE GROUND EQUIPMENT TR: AFOSH Standard 127-66											
A3.11.1. Inspect and Operate Gaseous oxygen servicing equipment TR: TOs 15X1-1, 37C2-8	*							2b	-	-	-
A3.11.2. Inspect and Operate Generators TR: TO 35C2 series	*							2b	-	-	-
A3.11.3. Inspect and Operate Hydraulic Test Stand TR: TO 33A2 series	*							2b	-	-	-
A3.11.4. Inspect and Operate Air Conditioning Units TR: TO 35E9 series	*							2b	-	-	-
A3.11.5. Inspect and Operate Gaseous Nitrogen Servicing Equipment TR: TO 35D3 series	*							2b	-	-	-
A3.11.6. Inspect and Operate Oil Servicing Carts TR: TO 35A17 series	*							2b	-	-	-
A3.11.7. Inspect and Operate Coolant Servicing Carts (TMM-27M) TR: TO 35E10-27-1								-	-	-	-
A3.11.8. Inspect and Operate Mobile hydraulic oil dispenser TR: TO 35D8 series	*							2b	-	-	-
A3.11.9. Inspect and operate hydraulic jacking manifold TR: TO 35A2 Series								-	-	-	-
A3.11.10. Wing sweep support fixture											
A3.11.11. Inspect and operate Wing Sweep support fixture								-	-	-	-
*A3.12. CENTRAL INTEGRATED TEST SYSTEM (CITS)											
A3.12.1. CITS operation TR: TO 1B-1B-2-46GS-00-1								B	-	-	-
A3.12.2. Remove/install magnetic tape TR: TO 1B-1B-2-46JG-40-1	*							2b	-	-	-

B-1 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.12.3. Printer tape load TR: TO 1B-1B-2-46JG-40-1	*							2b	-	-	-
A3.12.4. Operate											
A3.12.4.1. Parameter monitor mode TR: TOs 1B-1B-2-40JG-00-1	*							2b	-	-	-
A3.12.4.2. Ground readiness test TR: TOs 1B-1B-2-40JG-24-1, 1B-1B-2-40JG-28-1, 1B-1B-2-40JG-92-1, 1B-1B-2-40JG-00-1, 1B-1B-2-40JG-46-1	*							2b	-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is to be used in conjunction with Attachment 2.										
*A4.1. AIRCRAFT GENERAL										
A4.1.1. Phased inspection concept and inspection TR: TOs 00-20-5, 1B-2A-6										
A4.1.1.1. Phased inspection concept								B	-	-
A4.1.1.2. Perform inspections										
A4.1.1.2.1. Preflight										
A4.1.1.2.1.1. Work Area #1	*							3c	-	-
A4.1.1.2.1.2. Work Area #2 and #3	*							3c	-	-
A4.1.1.2.1.3. Work Area #4	*							3c	-	-
A4.1.1.2.2. Thruflight										
A4.1.1.2.2.1. Part 2A	*							3c	-	-
A4.1.1.2.2.2. Part 2B	*							3c	-	-
A4.1.1.2.3. Postflight										
A4.1.1.2.3.1. Work Area #1	*							2b	-	-
A4.1.1.2.3.2. Work Area #2 and #3	*							2b	-	-
A4.1.1.2.3.3. Work Area #4	*							2b	-	-
A4.1.1.2.4. Phase										
A4.1.1.2.4.1. Inspect Work Area #1								-	-	-
A4.1.1.2.4.2. Lubricate Work Area #1								-	-	-
A4.1.1.2.4.3. Inspect Work Area #2								-	-	-
A4.1.1.2.4.4. Lubricate Work Area #2								-	-	-
A4.1.1.2.4.5. Inspect Work Area #3								-	-	-
A4.1.1.2.4.6. Lubricate Work Area #3								-	-	-
A4.1.1.2.4.7. Inspect Work Area #4								-	-	-
A4.1.1.2.4.8. Lubricate Work Area #4								-	-	-
A4.1.1.2.5. Acceptance								-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A4.1.1.2.6. Calendar								-	-	-	-
A4.1.1.2.7. Special								-	-	-	-
A4.1.1.2.8. Time change item								-	-	-	-
A4.1.1.2.9. Alert								-	-	-	-
A4.1.2. Organizational Maintenance Manual Set (OMMS) TOs TR: Applicable B-2A TOs											
A4.1.2.1. OMMS TOs	*							B	-	-	-
A4.1.2.2. Use OMMS TOs	*							2b	-	-	-
A4.1.3. Integrated Technical Data System (ITDS) TOs TR: Applicable B-2A TOs											
A4.1.3.1. ITDS concept								B	-	-	-
A4.1.3.2. Use ITDS											
A4.1.3.2.1. CAMS								2b	-	-	-
A4.1.3.2.2. Technical data								2b	-	-	-
A4.1.4. Aircraft communications equipment TR: Applicable -2 TOs											
A4.1.4.1. Operate radios								-	-	-	-
A4.1.4.2. Use interphone	*							2b	-	-	-
A4.1.5. Perform ground handling TR: AFI 21-102; AFOSH 127-100; TO 00-25-172; Applicable -2 TOs											
A4.1.5.1. Launch aircraft	*							2b	-	-	-
A4.1.5.2. Recover aircraft	*							2b	-	-	-
A4.1.5.3. Tow aircraft											
A4.1.5.3.1. Wing/tail walker	*							2b	-	-	-
A4.1.5.3.2. Brake operator	*							2b	-	-	-
A4.1.5.3.3. Tow team supervisor		*						-	-	-	-
A4.1.5.3.4. Tow vehicle operator								-	-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A4.1.5.4. Moor aircraft								-	-	-
A4.1.5.5. Jack and level aircraft										
A4.1.5.5.1. Jacking team member	*							B	-	-
A4.1.5.5.2. Jacking supervisor								-	-	-
A4.1.5.6. Axle jacking	*							2b	-	-
A4.1.5.7. Crash recovery								-	-	-
A4.1.6. Weight and balance functions TR: TO 1B-2A-5								-	-	-
A4.1.7. Verify aircraft center of gravity using FM/MS	*							-	-	-
A4.1.8. Remove and install proximity caps	*							2b	-	-
A4.1.9. Simulate airborne								-	-	-
A4.1.10. Safe aircraft for maintenance	*							2b	-	-
A4.1.11. Hardness critical procedures	*							b	-	-
A4.1.12. Low observable awareness	*							B	-	-
A4.1.13. Blade seal safety precautions	*							-	-	-
*A4.2. AIRFRAME SYSTEMS TR: Applicable -2 TOs										
A4.2.1. Airframe components and construction								B	-	-
A4.2.2. Operate										
A4.2.2.1. Crew entry door pneumdraulically/ manually	*							2b	-	-
A4.2.2.2. Aft nose landing gear door	*							2b	-	-
A4.2.2.3. Aft equipment bay entry door	*							2b	-	-
A4.2.2.4. Auxiliary air inlet door	*							2b	-	-
A4.2.2.5. APU exhaust doors	*							2b	-	-
A4.2.3. Remove/install										
A4.2.3.1. Crew entry pressure door								-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A4.2.3.2. Engine/AMAD bay doors								-	-	-	-
A4.2.3.3. ECS/Hydraulic bay doors								-	-	-	-
A4.2.3.4. Panels	*							2b	-	-	-
A4.2.3.5. Windows								-	-	-	-
A4.2.3.6. Radomes								-	-	-	-
A4.2.3.7. Passive Thermal Protection Systems (PTPS)								2b	-	-	-
A4.2.4. Open/close											
A4.2.4.1. Crew entry pressure door								2b	-	-	-
A4.2.4.2. Engine/AMAD bay doors	*							2b	-	-	-
A4.2.4.3. ECS/Hydraulic bay doors	*							2b	-	-	-
A4.2.4.4. Wheel well blow out doors								2b	-	-	-
A4.2.5. Inspect airframe and components TR: TO 1B-2A-6								2b	-	-	-
A4.2.6. Secondary structure inspection		*						-	-	-	-
A4.2.7. Perform aircraft cold weather procedures								-	-	-	-
A4.2.8. Inspection aircraft windows	*							2b	-	-	-
A4.2.9. Clean aircraft windows	*							2b	-	-	-
*A4.3. LANDING GEAR SYSTEMS TR: Applicable -2 TOs											
A4.3.1. Landing gear components and system operation								B	-	-	-
A4.3.2. Perform operational check											
A4.3.2.1. Landing gear								-	-	-	-
A4.3.2.2. Brakes	*							2b	-	-	-
A4.3.2.3. Steering system								-	-	-	-
A4.3.2.4. Anti skid								2b	-	-	-
A4.3.3. Service											

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A4.3.3.1. Landing Gear Struts with Nitrogen	*							2b	-	-
A4.3.3..2. Landing Gear Struts with Hydraulic fluid	*							b	-	-
A4.3.3.3. Tires	*							2b	-	-
A4.3.4. Lubricate landing gear components								2b	-	-
A4.3.5. Remove/Install										
A4.3.5.1. Wheel and tire assemblies	*							2b	-	-
A4.3.5.2. Brake assemblies	*							2b	-	-
A4.3.5.3. Brake equalizer rods	*							2b	-	-
A4.3.5.4. Anti-skid magnetic drive unit	*							2b	-	-
A4.3.6. Bleed brake systems	*							2b	-	-
A4.3.7. Troubleshoot Landing Gear System								-	-	-
A4.3.8. Rig/Adjust landing gear system								-	-	-
*A4.4. WEAPONS BAY COMPONENTS TR: Applicable -2 TOs										
A4.4.1. Weapons bay components and system operation								-	-	-
A4.4.2. Operate weapons bay doors										
A4.4.2.1. Manually	*							2b	-	-
A4.4.2.2. Electrically	*							2b	-	-
A4.4.2.3. Hydraulically	*							2b	-	-
A4.4.3. Lubricate weapons system components								2b	-	-
A4.4.4. Inspect weapons system components TR: TO 1B-2A-6								-	-	-
A4.4.5. Troubleshoot Weapons Bay System								-	-	-
A4.4.6. Rig/Adjust weapons bay system								-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A4.5. UTILITY SYSTEMS TR: Applicable -2 TOs										
A4.5.1. Utility components and system operation								B	-	-
A4.5.2. ECS power-up	*							2b	-	-
A4.5.3. Operate										
A4.5.3.1. Bleed air system								-	-	-
A4.5.3.2. Air conditioning system								-	-	-
A4.5.3.3. Pressurization system								-	-	-
A4.5.3.4. Anti-ice/De-ice system								-	-	-
A4.5.3.5. Rain removal system								-	-	-
A4.5.3.6. Fire/Overheat warning system								-	-	-
A4.5.3.7. Fire extinguishing system								-	-	-
A4.5.3.8. Back-up Oxygen System (BOS)	*							-	-	-
A4.5.3.9. On Board Maintenance Printer (OBMP)	*							2b	-	-
A4.5.3.10. Remove/Install printer tape	*							2b	-	-
A4.5.3.11. Use OBTS Ground Processor (OGP) report for fault isolation of system malfunction								2b	-	-
A4.5.3.12. Load/Unload maintenance write tapes	*							2b	-	-
A4.5.4. Troubleshoot										
A4.5.4.1. Bleed air system								-	-	-
A4.5.4.2. Air conditioning system								-	-	-
A4.5.4.3. Pressurization system								-	-	-
A4.5.4.4. Anti-ice/De-ice system								-	-	-
A4.5.4.5. Rain removal system								-	-	-
A4.5.4.6. Fire/Overheat warning system								-	-	-
A4.5.4.7. Fire extinguishing system								-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A4.5.4.8. Back-up Oxygen System (BOS)								-	-	-	-
A4.5.5. Back-up Oxygen System (BOS) TR: TO 00-25-172											
A4.5.5.1. Service	*							2b	-	-	-
A4.5.5.2. Drain								-	-	-	-
A4.5.5.3. Purge								-	-	-	-
A4.5.6. Service equipment cooling systems											
A4.5.6.1. Service environmental system	*							2b	-	-	-
A4.5.6.2. Service Defense Management System (DMS)	*							2b	-	-	-
A4.5.6.3. Service Liquid Coolant System (LCS)	*							2b	-	-	-
A4.5.7. Sample equipment cooling											
A4.5.7.1. Sample environmental system	*							2b	-	-	-
A4.5.7.2. Sample Defensive Management System (DMS)	*							2b	-	-	-
A4.5.7.3. Sample Liquid Coolant System (LCS)	*							2b	-	-	-
*A4.6. FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs											
A4.6.1. Flight control components and system operation								B	-	-	-
A4.6.2. Perform operational check of flight controls								-	-	-	-
A4.6.3. Operate flight controls	*							-	-	-	-
A4.6.4. Remove/Install flight control components								-	-	-	-
A4.6.5. Inspect flight controls								2b	-	-	-
A4.6.6. Lubricate flight controls								2b	-	-	-
A4.6.7. Rig flight controls								-	-	-	-
A4.6.8. Troubleshoot Flight Controls								-	-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A4.7. HYDRAULIC SYSTEMS TR: Applicable -2 TOs										
A4.7.1. Hydraulic components and system operation								B	-	-
A4.7.2. Service hydraulic system										
A4.7.2.1. Reservoirs	*							2b	-	-
A4.7.2.2. Accumulators	*							2b	-	-
A4.7.3. Apply hydraulic power										
A4.7.3.1. Using APU								-	-	-
A4.7.3.2. Hydraulic test stand								-	-	-
A4.7.3.3. Using engines								-	-	-
A4.7.4. Troubleshoot Hydraulic System								-	-	-
A4.7.5. Remove/Install hydraulic components								2b	-	-
A4.7.6. Take hydraulic samples								2b	-	-
A4.7.7. Reposition and Torque line connections								-	-	-
*A4.8. ENGINES TR: Applicable -2 TOs										
A4.8.1. Engine and Auxiliary Power Unit (APU) components and system operation								B	-	-
A4.8.2. Perform engine operational check								-	-	-
A4.8.3. Operate										
A4.8.3.1. Engine and subsystems								-	-	-
A4.8.3.2. APU and subsystems								-	-	-
A4.8.4. Service										
A4.8.4.1. Engine oil	*							2b	-	-
A4.8.4.2. Airframe Mounted Accessory Drive (AMAD) oil	*							2b	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A4.8.4.3. APU oil	*							2b	-	-	-
A4.8.4.4. Pressurized Air Start System (PASS)	*							2b	-	-	-
A4.8.5. Remove/Install											
A4.8.5.1. Air turbine starter								2b	-	-	-
A4.8.5.2. Starter control valves								2b	-	-	-
A4.8.5.3. AMAD								2b	-	-	-
A4.8.5.4. Turbine driven recharge compressor								2b	-	-	-
A4.8.5.5. Engines								-	-	-	-
A4.8.6. Take oil samples TR: TO 33-1-37; Applicable -2 TOs											
A4.8.6.1. Engines	*							2b	-	-	-
A4.8.6.2. AMAD	*							2b	-	-	-
A4.8.7. Troubleshoot Engines								-	-	-	-
A4.8.8. Motor engines								-	-	-	-
*A4.9. AIRCRAFT FUEL SYSTEMS TR: Applicable AFOSH Stds; -2 TOs; TO 00-25-172											
A4.9.1. Fuel components and system operation								B	-	-	-
A4.9.2. Refuel aircraft											
A4.9.2.1. Team member	*							2b	-	-	-
A4.9.2.2. Team panel operator											
A4.9.2.2.1. Ground control panel manual	*							2b	-	-	-
A4.9.2.2.2. Ground control panel auto	*							2b	-	-	-
A4.9.2.2.3. Manual fuel control panel	*							2b	-	-	-
A4.9.2.3. Team supervisor											
A4.9.2.3.1. Manual	*							-	-	-	-
A4.9.2.3.2. Auto	*							-	-	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A4.9.3. Filler neck refuel								2b	-	-
A4.9.4. Defuel aircraft										
A4.9.4.1. Team member								2b	-	-
A4.9.4.2. Team panel operator										
A4.9.4.2.1. Ground control panel								2b	-	-
A4.9.4.2.2. Manual fuel control panel								2b	-	-
A4.9.4.3. Team supervisor								-	-	-
A4.9.5. Prepare aircraft for fuel cell maintenance TR: TO 1-1-3	*							-	-	-
A4.9.6. Operate Air Refueling Receptacle Slipway Installation (ARRSI)	*							2b	-	-
A4.9.7. Ground transfer fuel	*							2b	-	-
A4.9.8. Drain fuel tank sumps/obtain fuel samples	*							2b	-	-
A4.9.9. Troubleshoot Fuel System								-	-	-
*A4.10. ELECTRICAL SYSTEMS TR: Applicable -2 TOs										
A4.10.1. Electrical components and system operation								B	-	-
A4.10.2. Perform operational check										
A4.10.2.1. Electrical power supply system								-	-	-
A4.10.2.2. Internal lighting system								2b	-	-
A4.10.2.3. External lighting system								2b	-	-
A4.10.2.4. Indicator warning lights								2b	-	-
A4.10.3. Operate lighting system										
A4.10.3.1. Internal lighting system	*							2b	-	-
A4.10.3.2. External lighting system	*							2b	-	-
A4.10.3.3. Indicator warning lights	*							2b	-	-
A4.10.3.4. Emergency lights	*							2b	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A4.10.4. Remove/Install										
A4.10.4.1. Light lenses	*							2b	-	-
A4.10.4.2. Light bulbs	*							2b	-	-
A4.10.4.3. Batteries	*							2b	-	-
A4.10.5. Troubleshoot Lighting System	*							-	-	-
A4.10.6. Connect/Apply external electrical power	*							2b	-	-
A4.10.7. Disconnect external electrical power	*							2b	-	-
*A4.11. EGRESS SYSTEM TR: Applicable -2 TOs										
A4.11.1. Egress components and system operation								B	-	-
A4.11.2. Operate seat adjustment	*							2b	-	-
A4.11.3. Remove/Install safety pins	*							2b	-	-
*A4.12. AEROSPACE GROUND EQUIPMENT TR: AFOSH Standard 127-100										
A4.12.1. Inspect and Operate Gaseous oxygen servicing equipment TR: TO 15X1-1								2b	-	-
A4.12.2. Inspect and Operate Generators TR: TO 35C2 series								2b	-	-
A4.12.3. Inspect and Operate Hydraulic test stand TR: TO 33A2 series								2b	-	-
A4.12.4. Inspect and Operate Air conditioning units TR: TO 35E9 series								2b	-	-
A4.12.5. Inspect and Operate Gaseous nitrogen servicing equipment TR: TO 35D3 series								2b	-	-
A4.12.6. Inspect and Operate Oil servicing carts TR: TO 35A17 series								2b	-	-

B-2 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A4.13. DOCK/HANGAR PROCEDURES TR: Local Directives											
A4.13.1. Aqueous Film Forming Foam (AFFF) Procedures								-	-	-	-
A4.14.1. Centralized Aircraft Support Systems (CASS)											
A4.14.1.1. Operate Electrical Power and Inverter System								-	-	-	-
A4.14.1.2. Operate CASS Combined Air System								-	-	-	-
A4.14.1.3. Operate CASS Hydraulic Power								-	-	-	-
A4.14.1.4. Operate Hangar Nitrogen								-	-	-	-
A4.15. Inspect/Operate Fall Protection Devices								-	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is to be used in conjunction with Attachment 2.										
*A5.1. AIRCRAFT GENERAL										
A5.1.1. Phased inspection concept and inspection TR: TOs 00-20-5, 1B-52H-6										
A5.1.1.1. Phase inspection concept								B	-	-
A5.1.1.2. Perform inspections										
A5.1.1.2.1. Preflight	*							2b	-	-
A5.1.1.2.2. Thruflight	*							2b	-	-
A5.1.1.2.3. Hourly postflight	*							2b	-	-
A5.1.1.2.4. Phase								-	-	-
A5.1.1.2.5. Acceptance								-	-	-
A5.1.1.2.6. Calendar								-	-	-
A5.1.1.2.7. Special								-	-	-
A5.1.1.2.8. Time change item								-	-	-
A5.1.2. Technical orders TR: Applicable B-52 TOs										
A5.1.2.1. B-52 TOs								B	-	-
A5.1.2.2. Use B-52 TOs	*							2b	-	-
A5.1.2.3. Aircraft communications equipment TR: Applicable -2 TOs										
A5.1.2.3.1. Operate radio								-	-	-
A5.1.2.3.2. Use interphone	*							3c	-	-
A5.1.2.4. Perform ground handling TR: AFR 60-11; AFOSH Std 127-66; TO 00-25-172; Applicable -2 TOs										
A5.1.2.4.1. Launch aircraft	*							2b	-	-
A5.1.2.4.2. Recover aircraft	*							2b	-	-
A5.1.2.4.3. Tow aircraft										

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.1.2.4.3.1. Tow team member	*							B	-	-	-
A5.1.2.4.3.2. Brake operator	*							2b	-	-	-
A5.1.2.4.3.3. Tow team supervisor		*						-	-	-	-
A5.1.2.4.3.4. Tow vehicle operator								-	-	-	-
A5.1.2.4.4. Jack aircraft											
A5.1.2.4.4.1. Jacking team member								B	-	-	-
A5.1.2.4.4.2. Jacking supervisor								-	-	-	-
A5.1.2.4.4.3. Aircraft jacking preparation and procedure selection								-	-	-	-
A5.1.2.4.5. Axle jacking	*							2b	-	-	-
A5.1.2.5. Weight and balance functions TR: TO 1B-B-52H-5								A	-	-	-
A5.1.2.6. Compute aircraft center of gravity using load adjuster								-	-	-	-
A5.1.2.7. Determine cable change criteria								-	-	-	-
A5.1.2.8. Landing gear retraction position A (ground)								-	-	-	-
A5.1.2.9. Landing gear retraction position B (cockpit)								-	-	-	-
A5.1.2.10. Pre-use/operate aircraft jacking manifold								-	-	-	-
*A5.2. AIRFRAME SYSTEMS TR: Applicable -2 TOs											
A5.2.1. Airframe components and structure								A	-	-	-
A5.2.2. Operate											
A5.2.2.1. Entry door/hatch	*							3c	-	-	-
A5.2.2.2. Bomb bay door								B	-	-	-
A5.2.2.3. Emergency doors/hatches	*							2b	-	-	-
A5.2.3. Remove/install								-	-	-	-
A5.2.3.1. Cowling	*							2b/b	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.2.3.2. Panels	*							2b	-	-	-
A5.2.3.3. Non explosive seats								-	-	-	-
A5.2.3.4. Windows								-	-	-	-
A5.2.3.5. Radomes								-	-	-	-
A5.2.4. Open/close											
A5.2.4.1. Cowling	*							2b/b	-	-	-
A5.2.4.2. Radomes	*							2b	-	-	-
A5.2.5. Serviceability of aircraft windows								A	-	-	-
A5.2.6. Secondary structure inspection		*						-	-	-	-
A5.2.7. Main entrance hatch											
A5.2.7.1. Remove/install door assembly								-	-	-	-
A5.2.7.2. Remove/install/adjust components								-	-	-	-
A5.2.8. Fold/erect vertical fin								-	-	-	-
A5.2.9. Remove/install vertical fin								-	-	-	-
*A5.3. LANDING GEAR SYSTEMS TR: Applicable -2 TOs											
A5.3.1. Landing gear components and system operation								B	-	-	-
A5.3.2. Operate											
A5.3.2.1. Landing gear								-	-	-	-
A5.3.2.2. Brakes	*							2b	-	-	-
A5.3.2.3. Steering system								-	-	-	-
A5.3.3. MLG struts inflating/deflating	*							2b	-	-	-
A5.3.4. Inflate Tires TR: TO 1B-52H-2-2JG-3	*							2b	-	-	-
A5.3.5. Lubricate landing gear components								2b	-	-	-
A5.3.6. Remove/install											
A5.3.6.1. Wheel and tire assemblies	*							2b	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A5.3.6.2. Brake assemblies								B	-	-
A5.3.7. Bleed brakes system								B	-	-
A5.3.8. Determine serviceability of aircraft tires TR: TO 4T-1-3	*							2b	-	-
A5.3.9. Troubleshoot landing gear system								-	-	-
A5.3.10. Main landing gear										
A5.3.10.1. Remove/install strut assembly								-	-	-
A5.3.10.2. Remove/install and adjust MLG doors								-	-	-
A5.3.10.3. Install jumper wire on K622 squat switch								-	-	-
A5.3.10.4. Perform System operational check								-	-	-
A5.3.11. Tip protection gear										
A5.3.11.1. Remove/install strut								-	-	-
A5.3.11.2. Remove/install TPG doors								-	-	-
A5.3.11.3. Adjust TPG uplock roller								-	-	-
A5.3.11.4. Perform System operational check								-	-	-
A5.3.12. Steering system										
A5.3.12.1. Rig steering/crosswind crab system								-	-	-
A5.3.12.2. MLG scribe line marking								-	-	-
A5.3.12.3. Perform Steering/crosswind crab system operational check								-	-	-
A5.3.13. Rig Brake Control system								-	-	-
A5.3.14. Bomb door system								-	-	-
A5.3.14.1. Remove/install latch components								-	-	-
A5.3.14.2. Remove/install radius rods								-	-	-
A5.3.14.3. Rig/adjust system components								-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A5.3.14.4. Perform System checkout with standby pumps								-	-	-
A5.3.14.5. Perform System checkout with engine pumps								-	-	-
A5.3.15. Wheel and tire maintenance										
A5.3.15.1. Determine disposition of aircraft tires								-	-	-
A5.3.15.2. Clean and inspect aircraft wheels								-	-	-
A5.3.15.3. Clean, inspect, and repack aircraft wheel bearings and races								-	-	-
A5.3.15.4. Inspect wheel/tire assembly after buildup								-	-	-
A5.3.15.5. Assemble/disassemble B-52 tip wheels								-	-	-
A5.3.15.6. Assemble/disassemble B-52 main wheels								-	-	-
A5.3.15.7. Inspect/use tire bead breaker								-	-	-
A5.3.15.8. Inspect/use degreaser								-	-	-
A5.3.15.9. Inspect/use tire safety cage								-	-	-
A5.3.15.10. Inspect/use bearing cup puller								-	-	-
A5.3.15.11. Inspect/use air compressor and nitrogen cart								-	-	-
A5.3.15.12. Inspect/use bead blaster								-	-	-
A5.3.15.13. Inspect/use jet washer								-	-	-
A5.3.15.14. Inspect/use grinder								-	-	-
*A5.4. UTILITY SYSTEMS TR: Applicable -2 TOs										
A5.4.1. Utility components and system operation								A	-	-
A5.4.2. Oxygen system TR: TOs 00-25-172, 15X-1-1										
A5.4.2.1. Service	*							2b	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A5.4.2.2. Drain	*							2b	-	-
*A5.5. FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs										
A5.5.1. Flight control components and system operation								B	-	-
A5.5.2. Operate flight controls	*							2b	-	-
A5.5.3. Remove/install flight control components								-	-	-
A5.5.4. Lubricate flight controls								-	-	-
A5.5.5. Rig flight controls								A	-	-
A5.5.6. Troubleshoot flight controls								-	-	-
A5.5.7. Remove/install control column components								-	-	-
A5.5.8. Lateral control systems										
A5.5.8.1. Remove/install spoiler segments								-	-	-
A5.5.8.2. Spoiler pick up and lay down checkout								-	-	-
A5.5.8.3. Rig lateral control/trim system								-	-	-
A5.5.8.4. Lateral control/trim system checkout								-	-	-
A5.5.9. Flap control system								-	-	-
A5.5.9.1. Remove/install flap segments								-	-	-
A5.5.9.2. Remove/install flap jackscrew assembly								-	-	-
A5.5.9.3. Remove/install flap motor/power unit								-	-	-
A5.5.9.4. Remove/install flap carriage								-	-	-
A5.5.9.5. Rig/adjust flap control system								-	-	-
A5.5.9.6. Perform System operational checkout								-	-	-
A5.5.10. Elevator system										
A5.5.10.1. Remove/install elevator								-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.5.10.2. Rig elevator control system								-	-	-	-
A5.5.10.3. Perform System operational checkout								-	-	-	-
A5.5.11. Stabilizer trim control system											
A5.5.11.1. Remove/install trim mechanism								-	-	-	-
A5.5.11.2. Rig/adjust trim system								-	-	-	-
A5.5.11.3. Perform System operational checkout								-	-	-	-
A5.5.12. Rudder control system											
A5.5.12.1. Remove/install rudder								-	-	-	-
A5.5.12.2. Rig/adjust rudder control system								-	-	-	-
A5.5.12.3. Rig/adjust rudder trim system								-	-	-	-
A5.5.12.4. Perform System operational checkout								-	-	-	-
*A5.6. HYDRAULIC SYSTEMS TR: Applicable -2 TOs											
A5.6.1. Hydraulic components and system operation								B	-	-	-
A5.6.2. Hydraulic system											
A5.6.2.1. Service											
A5.6.2.1.1. Reservoir	*							2b	-	-	-
A5.6.2.1.2. Accumulator	*							2b	-	-	-
A5.6.2.1.3. Drain reservoir	*							-	-	-	-
A5.6.2.1.4. Partial drain	*							2b	-	-	-
A5.6.2.2. Operate											
A5.6.2.2.1. Engine driven pump								-	-	-	-
A5.6.2.2.2. Non-engine driven pump	*							2b	-	-	-
A5.6.3. Perform leakage check	*							2b	-	-	-
A5.6.4. Remove/install hydraulic components								-	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.6.5. Reposition and Torque line connections								2b	-	-	-
*A5.7. ENGINES TR: Applicable -2 TOs											
A5.7.1. Engine components and system operation								A	-	-	-
A5.7.2. Perform Engine Run								-	-	-	-
A5.7.3. Rig throttles TR: AFOSH Standard 127-66								-	-	-	-
A5.7.4. Operate engine and subsystems TR: AFOSH Standard 127-66								-	-	-	-
A5.7.5. Service											
A5.7.5.1. Oil system	*							2b/b	-	-	-
A5.7.5.2. Constant speed drive	*							2b/b	-	-	-
A5.7.6. Remove/install											
A5.7.6.1. Air turbine starter								-	-	-	-
A5.7.6.2. Starter cartridge	*							2b/b	-	-	-
A5.7.6.3. Minor components								-	-	-	-
A5.7.7. Take engine oil sample TR: TOs 42B2-1-9, 33-1-37	*							2b	-	-	-
A5.7.8. Perform leakage check	*								B	-	-
A5.7.9. Motor Engines		*							B	-	-
A5.7.10. Throttle cables											
A5.7.10.1. Remove/install								-	-	-	-
A5.7.10.2. Rig								-	-	-	-
A5.7.10.3. Operational checkout								-	-	-	-
A5.7.11. Throttle brake system											
A5.7.11.1. Remove/install components								-	-	-	-
A5.7.11.2. Rig/adjust								-	-	-	-
A5.7.11.3. System checkout								-	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A5.7.12. Throttle control special inspection								-	-	-
*A5.8. AIRCRAFT FUEL SYSTEMS TR: Applicable AFOSH Stds, TO 00-25-172, Applicable -2 TOs										
A5.8.1. Fuel components and system operation								A	-	-
A5.8.2. Refuel aircraft										
A5.8.2.1. Team member	*							2b	-	-
A5.8.2.2. Team panel operator	*							2b	-	-
A5.8.2.3. Team supervisor		*						-	-	-
A5.8.3. Defuel aircraft										
A5.8.3.1. Team member	*							2b	-	-
A5.8.3.2. Team panel operator	*							2b	-	-
A5.8.3.3. Team supervisor		*						-	-	-
A5.8.4. Filler neck refuel								B	-	-
A5.8.5. Prepare aircraft for fuel cell maintenance TR: TO 1B-52H-2-5JG-1								2b	-	-
A5.8.6. Drain aircraft for fuel cell maintenance	*							2b	-	-
A5.8.7. Remove/install external fuel tank								-	-	-
A5.8.8. In-flight refueling (IFR) system										
A5.8.8.1. Operate IFR doors	*							2b	-	-
A5.8.8.2. Remove/install IFR doors								-	-	-
A5.8.9. Ground transfer fuel	*							2b	-	-
*A5.9. ELECTRICAL SYSTEMS TR: Applicable -2 TOs										
A5.9.1. Electrical components and system operation								A	-	-
A5.9.2. Operate with external power unit										
A5.9.2.1. Lighting system	*							2b	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.9.2.2. Indicator warning lights	*							2b/b	-	-	-
A5.9.3. Remove/install											
A5.9.3.1. Light lenses	*							2b	-	-	-
A5.9.3.2. Light bulbs	*							2b	-	-	-
A5.9.3.3. Batteries	*							2b/b	-	-	-
A5.9.4. Use wiring diagram								-	-	-	-
A5.9.5. Connect/Apply external electrical power	*							3c/b	-	-	-
A5.9.6. Disconnect external electrical power	*							3c/b	-	-	-
*A5.10. EGRESS SYSTEM TR: Applicable -2 TOs											
A5.10.1. Egress components and system operation								B	-	-	-
A5.10.2. Operate seat adjustment	*							2b	-	-	-
A5.10.3. Remove/install safety pins	*							3c	-	-	-
*A5.11. DRAG CHUTE SYSTEM TR: Applicable -2 TOs											
A5.11.1. Drag chute system components and system operation								B	-	-	-
A5.11.2. Perform operational check								B	-	-	-
A5.11.3. Adjust drag chute system								B	-	-	-
A5.11.4. Remove/install chute assembly	*							2b	-	-	-
A5.11.5. Troubleshoot		*						-	-	-	-
A5.11.6. Remove/install components								-	-	-	-
A5.11.7. Remove/install door								-	-	-	-
*A5.12. AEROSPACE GROUND EQUIPMENT TR: AFOSH Standard 127-66											
A5.12.1. Inspect and Operate Liquid oxygen servicing equipment TR: TO 15X1-137C2-8	*							2b	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.12.2. Inspect and Operate Air conditioning units TR: TO 35E9 Series								-	-	-	-
A5.12.3. Inspect and Operate Oil servicing carts TR: TO 35A17 Series								2b	-	-	-
A5.12.4. Inspect and Operate Hydraulic servicing carts TR: TO 35D29 Series	*							2b	-	-	-

B-52 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is to be used in conjunction with Attachment 2.										
*A6.1. AIRCRAFT GENERAL										
A6.1.1. Safety Precautions pertaining to										
A6.1.1.1. High intensity sound TR: AFOSH STD 127-100								B	-	-
A6.1.1.2. Ground handling of aircraft TR: AFOSH STD 127-100								B	-	-
A6.1.1.3. Aircraft containing ammunition/explosives TR: AFOSH STD 127-100								B	-	-
A6.1.2. Foreign Object Damage (FOD) prevention TR: AFI 21-101								B	-	-
A6.1.3. Using standard and technical publications TR: AFI 37-160 VOL. I	*							3c	-	-
A6.1.4. Basic functions within the maintenance complex	*							-	-	-
A6.1.5. Use maintenance data collection forms TR: AFM 66-279; TO 00-20 Series	*							3c	-	-
A6.1.6. Using Cams TR: AFM 66-279										
A6.1.6.1. 380 Screen	*							3c	-	-
A6.1.6.2. 122 Screen	*							3c	-	-
A6.1.6.3. 593 Screen	*							3c	-	-
A6.1.6.4. 53 Screen	*							3c	-	-
A6.1.6.5. 54 Screen	*							3c	-	-
A6.1.6.6. 37 Screen	*							3c	-	-
A6.1.6.7. Ordering Parts With										
A6.1.6.7.1. CAMS								3c	-	-
A6.1.6.7.2. AF Form 2005								3c	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.1.6.8. Maintenance Data Collection (GO81)											
A6.1.6.8.1. 9050 Open aircraft discrepancies								-	-	-	-
A6.1.6.8.2. 9010 Open aircraft discrepancies								-	-	-	-
A6.1.6.8.3. 9099 MDC/close aircraft discrepancy								-	-	-	-
A6.1.6.8.4. 8063 Job closed, no MDC taken list								-	-	-	-
A6.1.6.8.5. Research parts TR: AFM 67-1, AFR66-1, TO 00-20 Series								-	-	-	-
A6.1.6.8.6. 9128 Build repairable item processing tag (AFTO Form 350)								-	-	-	-
A6.1.6.8.7. 8044 Supply information on a particular aircraft								-	-	-	-
A6.1.6.8.8. 8057 Tail number bin (TNB) list								-	-	-	-
A6.1.6.8.9. Document AF Form 2005, Supply Ordering								-	-	-	-
A6.1.6.8.10. Maintain aircraft records TR: TO 00-20-5								-	-	-	-
A6.1.6.8.10.1. 9032F Generate and document aircraft flying forms								-	-	-	-
A6.1.6.8.10.2. 9203 JOAP sample form								-	-	-	-
A6.1.6.8.10.3. Document AF Form 1492, Warning Tag								-	-	-	-
A6.1.7. Maintain AFTO 781 Series TR: TO 00-20-5	*							3c	-	-	-
A6.1.8. Product quality deficiency reporting								-	-	-	-
A6.1.9. Corrosion identification TR: TO 1-1-691								B	-	-	-
A6.1.10. Aircraft inspections											
A6.1.10.1. Isochronal inspection Concept TR: TO 00-20-5								B	-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.1.10.2. Perform inspections TR: TO 00-20-5											
A6.1.10.2.1. Preflight TR: TO 1C-130A-6WC-10	*							3c	-	-	-
A6.1.10.2.2. Thruflight TR: TO 1C-130A-6WC-11	*							3c	-	-	-
A6.1.10.2.3. Basic postflight TR: TO 1C-130A-6WC-13	*							3c	-	-	-
A6.1.10.2.4. Combined preflight/basic postflight TR: TO 1C-130A-6WC-13	*							3c	-	-	-
A6.1.10.2.5. Home station check								-	-	-	-
A6.1.10.2.6. Minor								-	-	-	-
A6.1.10.2.7. Major								-	-	-	-
A6.1.10.2.8. Acceptance								-	-	-	-
A6.1.10.2.9. Special								-	-	-	-
A6.1.10.2.10. Time change item (TCI)								-	-	-	-
A6.1.10.3. Aircraft inspection principles TR: TO 1C-130A-6								B	-	-	-
A6.1.11. Aircraft communications equipment											
A6.1.11.1. Operate radio TR: TO 1C-130H-2-23JG-20-1											
A6.1.11.1.1. UHF	*R							3c	-	-	-
A6.1.11.1.2. VHF (SCNS)								2b	-	-	-
A6.1.11.1.2. Use interphone TR: TO 1C-130H-2-23JG-40-1	*							3c	-	-	-
A6.1.12. Perform ground handling TR: TO 1C-130H-2-12JG-10-2											
A6.1.12.1. Launch aircraft TR: AFI 11-218	*							3c	-	-	-
A6.1.12.2. Recover aircraft TR: TO 1C-130H-2-10JG-00-1	*							3c	-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.1.12.3. Aircraft tow procedures TR: TO 1C-130H-2-09JG-10-1								B	-	-	-
A6.1.12.4. Tow aircraft TR: TO 1C-130H-2-09JG-10-1											
A6.1.12.4.1. Prepare aircraft for tow	*							3c	-	-	-
A6.1.12.4.2. Wing/tail walker	*							3c	-	-	-
A6.1.12.4.3. Brake operator	*R							3c	-	-	-
A6.1.12.4.4. Hand pump operator	*							3c	-	-	-
A6.1.12.4.5. Tow team supervisor		*						B	-	-	-
A6.1.12.4.6. Tow vehicle operator								B	-	-	-
A6.1.12.5. Moor aircraft (chains) TR: TO 1C-130H-2-10JG-00-1	*							3c	-	-	-
A6.1.12.6. Jack aircraft											
A6.1.12.6.1. Aircraft jacking TR: TO 1C-130H-2-07JG-00-1								B	-	-	-
A6.1.12.6.2. Wing jack team member TR: TO 1C-130H-2-07JG-00-1								2b	-	-	-
A6.1.12.6.3. Nose jack team member TR: TO 1C-130H-2-07JG-00-1	*							3c	-	-	-
A6.1.12.6.4. Jacking supervisor TR: TO 1C-130H-2-07JG-00-1		*R						b	-	-	-
A6.1.12.6.5. Axle jacking TR: TO 1C-130H-2-07JG-00-1	*							3c	-	-	-
A6.1.13. Marshall aircraft TR: AFI 11-218	*							3c	-	-	-
A6.1.14. Remove, install and inspect -21 equipment TR: 1C-130A-21								-	-	-	-
A6.1.15. Dual rails ,cargo rollers, and restraint locks TR: 1C-130-4-1											
A6.1.15.1. Inspect and repair								-	-	-	-
A6.1.15.2. Operate								-	-	-	-
A6.1.15.3. Remove and Install								-	-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A6.1.16. Reconfigure aircraft								-	-	-
A6.1.16.1. Rolling stock/palletized cargo								-	-	-
A6.1.16.2. Passenger/personnel								-	-	-
A6.1.16.3. Troop drop								-	-	-
A6.1.16.4. Aerial delivery system (ADS)								-	-	-
A6.1.16.5. Container delivery system								-	-	-
A6.1.16.6. Distinguished visitor (DV)								-	-	-
A6.1.17. Assist in weight and balance								-	-	-
A6.1.18. Cargo winch								-	-	-
A6.1.18.1. Operate								-	-	-
A6.1.18.2. Service/repair								-	-	-
A6.1.18.3. Remove/install								-	-	-
A6.1.19. Use hardware and securing devices TR: TO 1-1A-8, 1-1A-14, -32 Series	*							3c	-	-
A6.1.20. Select and Use handtools TR: AFOSH Std 127-100, TO -32 Series	*							3c	-	-
A6.1.21. Select and Use measuring tools TR: AFOSH Std 127-100, TO -32 Series	*							3c	-	-
A6.1.22. Select aircraft sealants TR: AFOSH STD 127-100								2b	-	-
A6.1.23. Inspect and operate nonexplosive seats								-	-	-
A6.1.24. Perform aircraft wash								-	-	-
A6.1.25. Lube aircraft								-	-	-
A6.1.26. Perform 15 day flap track and jackscrew lube TR: 1C-130-6	*							3c	-	-
*A6.2. AIRFRAME SYSTEMS										

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A6.2.1. Airframe components and structure TR: TO 1C-130H-2-00GE-00-1								B	-	-
A6.2.2. Door system principles of operation										
A6.2.2.1. Crew entry door TR: TO 1C-130H-2-52JG-10-1								B	-	-
A6.2.2.2. Aft cargo door and ramp TR: TO 1C-130H-2-52JG-30-1, 1C-130H-2-52JG-30-2								B	-	-
A6.2.2.3. Paratroop TR: TO 1C-130H-2-52JG-50-2								B	-	-
A6.2.3. Operate doors										
A6.2.3.1. Aft cargo door and ramp										
A6.2.3.1.1. Normal TR: TO 1C-130H-2-52JG-00-1	*							3c	-	-
A6.2.3.1.2. Emergency TR: TO 1C-130H-2-52JG-00-1	*							3c	-	-
A6.2.3.2. Paratroop TR: TO 1C-130H-2-52JG-10-2	*							3c	-	-
A6.2.3.3. Crew Entry TR: TO 1C-130H-2-52JG-10-1	*							3c	-	-
A6.2.4. Remove and Install										
A6.2.4.1. Cowlings								-	-	-
A6.2.4.2. Panels TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-
A6.2.4.3. Nonexplosive seats TR: TO 1C-130H-2-25JG-00-1	*							3c	-	-
A6.2.4.4. Windshields/windows TR: TO 1C-130H-2-56JG-00-1								-	-	-
A6.2.4.5. Life rafts TR: TO 1C-130H-2-25JG-00-1								-	-	-
A6.2.4.6. Pressure seals								-	-	-
A6.2.4.7. Crew door TR: TO 1C-130H-2-52JG-10-1								-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A6.2.4.8. Radomes								-	-	-
A6.2.4.9. Leading edges TR: TO 1C-130H-2-00GE-00-1								b	-	-
A6.2.4.10. Troop door								-	-	-
A6.2.4.11. Aft cargo door and ramp TR: TO 1C-130H-2-52JG-30-2								-	-	-
A6.2.4.12. Aircraft escape hatches TR: TO 1C-130H-2-52JG-20-1	*							3c	-	-
A6.2.4.13. AFT cargo door safety lock TR: TO 1C-130H-2-52JG-00-1	*							3c	-	-
A6.2.4.14. Static line retriever TR: TO 1C-130H-2-25JG-00-1								-	-	-
A6.2.5. Open and close										
A6.2.5.1. Cowling TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-
A6.2.5.2. Panels TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-
A6.2.5.3. Radomes TR: TO 1C-130H-2-34JG-40-2-1	*							3c	-	-
A6.2.6. Maintain										
A6.2.6.1. Crew entrance door/ladder								-	-	-
A6.2.6.2. Paratroop doors								-	-	-
A6.2.6.3. Aircraft hatches								-	-	-
A6.2.7. Perform cold weather procedures								-	-	-
A6.2.8. Inspect crew/passenger comfort facilities								-	-	-
A6.2.9. Service crew/passenger comfort facilities								-	-	-
A6.2.10. Nonexplosive seats								-	-	-
A6.2.11. Troubleshoot								-	-	-
*A6.3. LANDING GEAR SYSTEMS										

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.3.1. Landing gear components and system operation TR: TO 1C-130H-2-32GS-00-1								B	-	-	-
A6.3.2. Perform operational check											
A6.3.2.1. Landing gear								-	-	-	-
A6.3.2.2. Brakes								-	-	-	-
A6.3.2.3. Steering system								-	-	-	-
A6.3.2.4. Anti skid								-	-	-	-
A6.3.3. Service											
A6.3.3.1. Tires TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.3.3.2. Shock Strut (Alternate method) TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.3.3.3. Shock Strut (Preferred method) TR: TO 1C-130H-2-12JG-10-2								-	-	-	-
A6.3.4. Remove and Install											
A6.3.4.1. Wheel and tire assemblies TR: TO 1C-130H-2-32JG-40-1	*							3c	-	-	-
A6.3.4.2. Brake assemblies TR: TO 1C-130H-2-32JG-40-1								1b	-	-	-
A6.3.4.3. Landing gear components								-	-	-	-
A6.3.5. Bleed brake systems								-	-	-	-
A6.3.6. Determine serviceability of aircraft tires TR: TO 4T-1-3	*							3c	-	-	-
A6.3.7. Inspect landing gear system TR: TO 1C-130A-6	*							2b	-	-	-
A6.3.9. Adjust/Rig landing gear components								-	-	-	-
A6.3.10. Troubleshoot								-	-	-	-
*A6.4. UTILITY SYSTEMS											

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A6.4.1. Utility system components and system operation TR: TO 1C-130H-2-21GS-00-1										
A6.4.1.1. Bleed air system TR: TO 1C-130H-2-21JG-00-1								B	-	-
A6.4.1.2. Wing overheat warning system TR: TO 1C-130H-2-30JG-00-1								B	-	-
A6.4.1.3. Air conditioning system TR: TO 1C-130H-2-30JG-00-1								B	-	-
A6.4.1.4. Pressurization system								-	-	-
A6.4.1.5. Anti-ice/de-ice system TR: TO 1C-130H-2-30JG-00-1								B	-	-
A6.4.1.6. Rain removal system TR: TO 1C-130H-2-30JG-00-1								B	-	-
A6.4.1.7. Fire/overheat warning system TR: TO 1C-130H-2-26JG-20-1								B	-	-
A6.4.1.8. Fire extinguishing system TR: TO 1C-130H-2-26JG-20-1								B	-	-
A6.4.1.9. Oxygen system TR: TO 1C-130H-2-35JG-00-1								B	-	-
A6.4.1.10. Air turbine motor (ATM) TR: TO 1C-130H-2-49JG-00-1-1								B	-	-
A6.4.2. Operate										
A6.4.2.1. Bleed air system TR: TO 1C-130H-2-21JG-10-1	*							3c	-	-
A6.4.2.2. Air conditioning system								-	-	-
A6.4.2.3. Pressurization system								-	-	-
A6.4.2.4. Anti-ice/de-ice system								-	-	-
A6.4.2.5. Rain removal system								-	-	-
A6.4.2.6. Fire/overheat warning system TR: TO 1C-130H-2-26JG-20-1	*							3c	-	-
A6.4.2.7. Fire extinguishing system	*							-	-	-
A6.4.2.8. Oxygen system TR: TO 1C-130H-2-35-00-1	*							3c	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.4.2.9. Air turbine motor (ATM) TR: TO 1C-130E-2-49JG-00-1-1	*							3c	-	-	-
A6.4.2.10. APU generator TR: TO 1C-130H-2-24JG-20-1								b	-	-	-
A6.4.3. Inspect											
A6.4.3.1. Bleed air system								-	-	-	-
A6.4.3.2. Air conditioning system								-	-	-	-
A6.4.3.3. Pressurization system								-	-	-	-
A6.4.3.4. Anti-ice/de-ice system								-	-	-	-
A6.4.3.5. Rain removal system								-	-	-	-
A6.4.3.6. Fire/overheat warning system								-	-	-	-
A6.4.3.7. Fire extinguishing system								-	-	-	-
A6.4.3.8. Oxygen system								-	-	-	-
A6.4.3.9. Air turbine motor (ATM)								-	-	-	-
A6.4.4. Service oxygen system TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.4.5. Troubleshoot windshield wiper system											
*A6.5. FLIGHT CONTROL SYSTEMS											
A6.5.1. Flight control components and system operation TR: TO 1C-130H-2-27GS-00-1								B	-	-	-
A6.5.2. Operate flight controls TR: TO 1C-130H-2-27JG-00-1	*							3c	-	-	-
A6.5.3. Remove and install flight control system components								-	-	-	-
A6.5.4. Inspect flight control systems	*							-	-	-	-
A6.5.5. Adjust/rig flight control systems								-	-	-	-
A6.5.6. Troubleshoot								-	-	-	-
*A6.6. HYDRAULIC SYSTEMS											

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.6.1. Hydraulic system components and system operation TR: TO 1C-130H-2-29JG-00-1-1								B	-	-	-
A6.6.2. Hydraulic schematics TR: TO 1C-130H-2-29JG-00-1-1								A	-	-	-
A6.6.3. Service Hydraulic Reservoir TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.6.4. Service Hydraulic Accumulator TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.6.5. Inspect hydraulic system TR: TO 1C-130A-6	*							2b	-	-	-
A6.6.5. Operate auxiliary hydraulic pump TR: TO 1C-130H-2-29JG-00-1-2	*							3c	-	-	-
A6.6.6. Troubleshoot hydraulic system								-	-	-	-
A6.6.7. Remove and install											
A6.6.7.1. Lines TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-	-
A6.6.7.2. Hoses TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-	-
A6.6.7.3. Fittings TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-	-
A6.6.7.4. Swivels TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-	-
A6.6.7.5. Filters TR: TO 1C-130H-2-00GE-00-1	*							3c	-	-	-
A6.6.7.6. Pressure switches								-	-	-	-
A6.6.7.7. Pressure transmitters TR: TO 1C-130H-2-29JG-00-1-2								-	-	-	-
A6.6.7.8. Hydraulic pumps TR: TO 1C-130H-2-29JG-00-1-2								-	-	-	-
A6.6.8. Connect/disconnect hydraulic test stand								-	-	-	-
*A6.7. ENGINES											

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.7.1. Engine and APU components and operation TR: 1C-130H-2-70GS-00-1								B	-	-	-
A6.7.2. Operate											
A6.7.2.1. Engine and subsystems	*R							-	-	-	-
A6.7.2.2. Auxiliary power unit TR: TO 1C-130H-49GS-00-1								b	-	-	-
A6.7.2.3. GTC TR: TO 1C-130E--2-49JG-00-1	*R							3c	-	-	-
A6.7.3. Service											
A6.7.3.1. Oil system TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.7.3.2. Auxiliary power unit TR: TO 1C-130H-2-12JG-10-2	*							b	-	-	-
A6.7.3.3. GTC TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.7.3.4. Starter TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.7.4. Remove and install											
A6.7.4.1. Starter								-	-	-	-
A6.7.4.2. Starter control valve								-	-	-	-
A6.7.4.3. Filters								-	-	-	-
A6.7.4.4. Tailpipe								-	-	-	-
A6.7.4.5. Tach generator								-	-	-	-
A6.7.4.6. Engine throttle and condition lever components								-	-	-	-
A6.7.5. Perform engine removal preparation								-	-	-	-
A6.7.6. Perform engine installation preparation								-	-	-	-
A6.7.7. Adjust/rig engine throttle and condition levers								-	-	-	-
A6.7.8. Troubleshoot								-	-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A6.8. PROPELLERS											
A6.8.1. Propeller components and system operation TR: TO 1C-130H-2-61GS-00-1	*							B	-	-	-
A6.8.2. Perform static ground operation TR: TO 1C-130H-2-61JG-10-1	*							3c	-	-	-
A6.8.3. Inspect propeller system TR: TO 1C-130H-2-61JG-10-1	*							2b	-	-	-
A6.8.4. Service propeller (Atmospheric) TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.8.5. Troubleshoot								-	-	-	-
*A6.9. AIRCRAFT FUEL SYSTEMS											
A6.9.1. Fuel system components and system operation TR: TO 1C-130H-2-28GS-00-1								B	-	-	-
A6.9.2. Perform ground transfer TR: TO 1C-130H-2-12JG-10-1	*							3c	-	-	-
A6.9.3. Refuel aircraft											
A6.9.3.1. Team member TR: TO 1C-130H-2-12JG-10-1	*							3c	-	-	-
A6.9.3.2. Team panel operator TR: TO 1C-130H-2-12JG-10-1	*							3c	-	-	-
A6.9.3.3. Team supervisor TR: TO 1C-130H-2-12JG-10-1	*							-	-	-	-
A6.9.4. Defuel aircraft											
A6.9.4.1. Team member TR: TO 1C-130H-2-12JG-10-1								2b	-	-	-
A6.9.4.2. Team panel operator TR: TO 1C-130H-2-12JG-10-1								2b	-	-	-
A6.9.4.3. Team supervisor TR: TO 1C-130H-2-12JG-10-1								-	-	-	-
A6.9.5. Prepare aircraft for fuel cell maintenance								-	-	-	-
A6.9.6. Inspect fuel system								-	-	-	-
A6.9.7. In-flight refueling (IFR) system											

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A6.9.7.1. Location of components and system operation								-	-	-
A6.9.7.2. Inspect IFR system								-	-	-
A6.9.7.3. Remove and install										
A6.9.7.3.1. Reel								-	-	-
A6.9.7.3.2. Hose								-	-	-
A6.9.7.3.3. Paradrouge								-	-	-
A6.9.7.4. Perform operational check								-	-	-
A6.9.8. Troubleshoot								-	-	-
*A6.10. ELECTRICAL SYSTEM										
A6.10.1. Electrical system components and operation TR: TO 1C-130H-24GS-00-1								B	-	-
A6.10.2. Perform operational check with external power unit										
A6.10.2.1. Electrical power supply system								-	-	-
A6.10.2.2. Lighting system TR: TO 1C-130H-2-33JG-00-1	*							3c	-	-
A6.10.2.3. Indicator warning lights	*							-	-	-
A6.10.3. Perform functional check of the battery TR: TO 1C-130H-2-24JG-30-1	*							3c	-	-
A6.10.4. Remove and install										
A6.10.4.1. Light assemblies and components TR: TO 1C-130H-2-33JG-00-1	*							3c	-	-
A6.10.4.2. Batteries TR: TO 1C-130H-2-24JG-30-1	*							3c	-	-
A6.10.5. Use wiring diagrams								-	-	-
A6.10.6. Inspect										
A6.10.6.1. Components								-	-	-
A6.10.6.2. Wiring and connectors								-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.10.7. Connect/disconnect external electrical power TR: TO 1C-130H-2-05JG-00-1	*							3c	-	-	-
A6.10.8. Service sump jar TR: TO 1C-130H-2-12JG-10-2	*							3c	-	-	-
A6.10.9. Troubleshoot								-	-	-	-
*A6.11. EGRESS SYSTEM											
A6.11.1. Egress system components and operation TR: TO 1C-130H-2-25GS-00-1								B	-	-	-
A6.11.2. Inspect egress components								-	-	-	-
*A6.12. AEROSPACE GROUND EQUIPMENT											
A6.12.1. Inspect and operate gaseous nitrogen servicing equipment TR: TO 15X-1-1, 37C2-8	*							3c	-	-	-
A6.12.2. Inspect and operate liquid nitrogen servicing equipment TR: TO 35D3								-	-	-	-
A6.12.3. Inspect and operate MC-1A air compressor TR: TO 34Y1 Series	*							3c	-	-	-
A6.12.4. Inspect and operate MC-2A air compressor TR: TO 34Y1 Series	*							3c	-	-	-
A6.12.5. Inspect and operate H-1 Heater TR: TO 35E7 Series	*							3c	-	-	-
A6.12.6. Inspect and operate A/M32A-86 portable generator TR: TO 35C2 Series	*							3c	-	-	-
A6.12.7. Inspect and operate A/M32A-60 TR: TO 35C2 Series								-	-	-	-
A6.12.8. Inspect and operate NF-2 portable lighting equipment TO 35F5 Series	*							3c	-	-	-

C-130 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.12.9. Inspect and operate gas turbine compressor TR: TO 35D12 Series	*							3c	-	-	-
A6.12.10. Inspect and operate liquid oxygen equipment TR: TO 15X-1-1, 37C2-8	*							3c	-	-	-
A6.12.11. Inspect and operate B-1/B-2 TR: AFOSH STD 91-66	*							3c	-	-	-
A6.12.12. Inspect and operate B-4/B-5 TR: AFOSH STD 91-66	*							3c	-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE: This attachment is used in conjunction with Attachment 2.										
*A7.1. AIRCRAFT GENERAL										
A7.1.1. Periodic inspection concept and Inspection TR: TOs 00-20 series, Applicable -6 TOs										
A7.1.1.1. Isochronal inspection concept								B	-	-
A7.1.1.2. Perform inspections										
A7.1.1.2.1. Preflight										
A7.1.1.2.1.1. Alert 5A	*							2b	-	-
A7.1.1.2.1.2. Alert 5B	*							2b	-	-
A7.1.1.2.2. Thruflight	*							-	-	-
A7.1.1.2.3. Quick turn	*							2b	-	-
A7.1.1.2.4. Home Station Check		*R						2b	-	-
A7.1.1.2.5. Periodic/ISO										
A7.1.1.2.5.1. Inspect/lube area I								-	-	-
A7.1.1.2.5.2. Inspect/lube area II								-	-	-
A7.1.1.2.5.3. Inspect/lube area III								-	-	-
A7.1.1.2.5.4. Inspect/lube area IV								-	-	-
A7.1.1.2.6. Acceptance								-	-	-
A7.1.1.2.7. Calendar								-	-	-
A7.1.1.2.8. Special								-	-	-
A7.1.1.2.9. Time change item								-	-	-
A7.1.2. Aircraft communications equipment TR: Applicable -2 TOs								-	-	-
A7.1.2.1. Operate radio								-	-	-
A7.1.2.2. Use interphone	*							3c	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.1.3. Perform ground handling TR: AFI 11-218 AFOSH Std 127-100, TO 00-25-172 Applicable -2 TOs										
A7.1.3.1. Launch aircraft	*							2b	-	-
A7.1.3.1.1. Operate flight controls	*							2b	-	-
A7.1.3.1.2. Perform Crew report	*							2b	-	-
A7.1.3.2. Recover aircraft	*							2b	-	-
A7.1.3.3. Tow aircraft										
A7.1.3.3.1. Wing/tail walker	*							2b	-	-
A7.1.3.3.2. Brake operator	*							-	-	-
A7.1.3.3.3. Tow team supervisor		*						-	-	-
A7.1.3.3.4. Tow vehicle operator								-	-	-
A7.1.3.4. Jack and level aircraft										
A7.1.3.4.1. Jacking team member								-	-	-
A7.1.3.4.2. Jacking supervisor								-	-	-
A7.1.3.5. Axle jacking	*							2b	-	-
A7.1.4. Compute center of gravity TR: Applicable -5 TOs	*							2b	-	-
A7.1.5. Install/remove ground safety locks TR: Applicable -2 TOs										
A7.1.5.1. Landing gear	*							2b	-	-
A7.1.5.2. Landing gear doors	*							2b	-	-
A7.1.6. Ground aircraft TR: Applicable -2 TOs								2b	-	-
A7.1.7. Configure/reconfigure aircraft										
A7.1.7.1. Rolling stock/palletized cargo								-	-	-
A7.1.7.2. Passenger/personnel								-	-	-
A7.1.7.3. Distinguished visitor (DV)								-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.1.8. Maintain/store configuration/-21 equipment								-	-	-
A7.1.9. Remove/install/repair										
A7.1.9.1. Cargo rollers								-	-	-
A7.1.9.2. Cargo rails								-	-	-
A7.1.9.3. Restraint locks								-	-	-
A7.1.10. Troubleshoot/adjust rails								-	-	-
*A7.2. AIRFRAME SYSTEMS TR: Applicable -2 TOs										
A7.2.1. Airframe components and structure								A	-	-
A7.2.2. Operate										
A7.2.2.1. Entry door	*							2b	-	-
A7.2.2.2. Cargo door	*							2b	-	-
A7.2.2.3. Emergency hatch	*							3c	-	-
A7.2.2.4. Wheel well doors								2b	-	-
A7.2.3. Service cargo door reservoir	*							2b	-	-
A7.2.4. Open and close										
A7.2.4.1. Cowling	*							2b	-	-
A7.2.4.2. Panels	*							-	-	-
A7.2.4.3. Nonexplosive seats								-	-	-
A7.2.4.4. Windows								-	-	-
A7.2.4.5. Life rafts								-	-	-
A7.2.4.6. Radomes								-	-	-
A7.2.4.7. Rollers								-	-	-
A7.2.4.8. Door/hatch seals								-	-	-
A7.2.5. Remove and install										
A7.2.5.1. Cowling	*							2b	-	-
A7.2.5.2. Panels	*							-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A7.2.5.3. Nonexplosive seats								-	-	-	-
A7.2.5.4. Windows								-	-	-	-
A7.2.5.5. Life rafts								-	-	-	-
A7.2.5.6. Radomes								-	-	-	-
A7.2.5.7. Rollers								-	-	-	-
A7.2.5.8. Door/hatch seals								-	-	-	-
A7.2.5.9. Thermal curtains								-	-	-	-
A7.2.5.10. Boom pod sighting windows								-	-	-	-
A2.12.5.11. Boom pod sighting door								-	-	-	-
A2.12.5.12. QSAS inlet and exhaust doors								-	-	-	-
A7.2.6. Perform aircraft inclement weather procedures								-	-	-	-
A7.2.7. Inspect crew/passenger comfort facilities TR: Applicable -6 TOs								-	-	-	-
A7.2.8. Service crew/passenger comfort facilities								-	-	-	-
*A7.3. LANDING GEAR SYSTEMS TR: Applicable -2 TOs											
A7.3.1. Landing gear components and system operation								A	-	-	-
A7.3.2. Operate											
A7.3.2.1. Landing gear								-	-	-	-
A7.3.2.2. Brakes								2b	-	-	-
A7.3.2.3. Steering System								-	-	-	-
A7.3.2.4. Anti skid								-	-	-	-
A7.3.3. Service								-	-	-	-
A7.3.3.1. Snubber	*							2b	-	-	-
A7.3.3.2. Centering cylinder	*							2b	-	-	-
A7.3.3.3. Landing gear struts								-	-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.3.3.3.1. Deflate	*							2b	-	-
A7.3.3.3.2. Drain	*							-	-	-
A7.3.3.3.3. Fill	*							2b	-	-
A7.3.3.3.4. Inflate	*							2b	-	-
A7.3.3.4. Tires TR: TO 4T-1-3	*							3c	-	-
A7.3.4. Lubricate landing gear components								-	-	-
A7.3.5. Remove and Install										
A7.3.5.1. Snubbers								-	-	-
A7.3.5.2. Centering cylinder								-	-	-
A7.3.5.3. Wheel and tire assemblies	*							2b	-	-
A7.3.5.4. Anti-skid transducer	*R							-	-	-
A7.3.5.5. Brake assemblies	*R							2b	-	-
A7.3.6. Bleed brake system	*R							2b	-	-
A7.3.7. Determine serviceability of aircraft tires TR: TO 4T-1-3	*							2b	-	-
A7.3.8. Inspect landing gear system TR: Applicable -6 TOs								2b	-	-
A7.3.9. Troubleshoot								-	-	-
*A7.4. UTILITY SYSTEMS TR: Applicable -2 TOs										
A7.4.1. Utility components and system operation								A	-	-
A7.4.2. Operate										
A7.4.2.1. Bleed air system								-	-	-
A7.4.2.2. Air conditioning system								-	-	-
A7.4.2.3. Pressurization system								-	-	-
A7.4.2.4. Anti-ice system								-	-	-
A7.4.2.5. Rain removal system								-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A7.4.2.6. Fire/overheat warning system								-	-	-	-
A7.4.2.7. Fire extinguishing system								-	-	-	-
A7.4.2.8. Oxygen system								-	-	-	-
A7.4.3. Oxygen system TR: TO 00-25-172											
A7.4.3.1. Service Gaseous oxygen	*							2b	-	-	-
A7.4.3.2. Service liquid oxygen	*							-	-	-	-
A7.4.3.3. Drain liquid oxygen								-	-	-	-
A7.4.4. Inspect TR: Applicable -6 TOs											
A7.4.4.1. Bleed air system								-	-	-	-
A7.4.4.2. Air conditioning system								-	-	-	-
A7.4.4.3. Pressurization system								-	-	-	-
A7.4.4.4. Anti-ice system								-	-	-	-
A7.4.4.5. Rain removal system								-	-	-	-
A7.4.4.6. Fire/overheat warning system								-	-	-	-
A7.4.4.7. Fire extinguisher system								-	-	-	-
A7.4.4.8. Oxygen system								-	-	-	-
A7.4.5. Air cycle machine (ACM)											
A7.4.5.1. Drain	*							-	-	-	-
A7.4.5.2. Service	*							-	-	-	-
A7.4.6. Troubleshoot Utility Systems								-	-	-	-
*A7.5. FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs											
A7.5.1. Flight control components and system operation								A	-	-	-
A7.5.2. Operate flight controls	*							2b	-	-	-
A7.5.3. Remove & Install flight control components											
A7.5.3.1. Cove lip door								-	-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A7.5.3.2. Cove lip door latch								-	-	-	-
A7.5.3.3. Flap torque limiter								-	-	-	-
A7.5.3.4. Flap jackscrew								-	-	-	-
A7.5.3.5. Fore flap								-	-	-	-
A7.5.3.6. Aileron snubber								-	-	-	-
A7.5.3.7. Elevator snubber								-	-	-	-
A7.5.4. Inspect flight controls TR: Applicable -6 TOs								-	-	-	-
A7.5.5. Lubricate flight controls								-	-	-	-
A7.5.6. Rig flight controls								-	-	-	-
A7.5.7. Troubleshoot Flight Control Systems								-	-	-	-
*A7.6. HYDRAULIC SYSTEMS TR: Applicable -2 TOs											
A7.6.1. Hydraulic components and system operation								A	-	-	-
A7.6.2. Service Hydraulic system											
A7.6.2.1. Reservoir	*							3c	-	-	-
A7.6.2.2. Accumulator	*							2b	-	-	-
A7.6.2.3. Drain reservoir								2b	-	-	-
A7.6.3. Inspect major components TR: Applicable -6 TOs								2b	-	-	-
A7.6.4. Operate											
A7.6.4.1. Engine driven pump								-	-	-	-
A7.6.4.2. Non-engine driven pump	*							2b	-	-	-
A7.6.5. Troubleshoot Hydraulic System								-	-	-	-
A7.6.6. Remove and Install accumulator								-	-	-	-
*A7.7. ENGINES TR: Applicable -2 TOs											

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.7.1. Engine and auxiliary power unit(APU) components and system operation								A	-	-
A7.7.2. Perform TR: AFOSH Std 127-100										
A7.7.2.1. Engine operational check								-	-	-
A7.7.2.2. Engine trim								-	-	-
A7.7.2.3. Adjust main engine control								-	-	-
A7.7.3. Operate TR: AFOSH Std 127-100										
A7.7.3.1. Engine and subsystems								-	-	-
A7.7.3.2. Auxiliary power unit								-	-	-
A7.7.4. Service										
A7.7.4.1. Oil system	*							2b	-	-
A7.7.4.2. Constant speed drive/integrated drive generator	*							2b	-	-
A7.7.4.3. Gear box								-	-	-
A7.7.4.4. Auxiliary power unit								-	-	-
A7.7.5. Remove and Install										
A7.7.5.1. Starter								2b	-	-
A7.7.5.2. Starter cartridge								-	-	-
A7.7.5.3. Minor components								-	-	-
A7.7.6. Take engine oil sample TR: TOs 42B2-1-9, 33-1-37 (Except KC-135R)	*							2b	-	-
A7.7.7. Inspect chip detectors (KC-135R Only)	*							b	-	-
A7.7.8. Inspect installed engine TR: Applicable -6 TOs										
A7.7.8.1. Turbine								1b	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.7.8.2. Compressor								1b	-	-
A7.7.9. Inspect auxiliary power unit TR: Applicable -6 TOs								2b	-	-
*A7.8. AIRCRAFT FUEL SYSTEMS TR: Applicable AFOSH Stds; TO 00-25-172, Applicable TOs										
A7.8.1. Fuel components and system operation								A	-	-
A7.8.2. Operate the fuel system								-	-	-
A7.8.3. Refuel aircraft										
A7.8.3.1. Team member	*							2b	-	-
A7.8.3.2. Team panel operator	*							2b	-	-
A7.8.3.3. Team supervisor		*						-	-	-
A7.8.4. Defuel aircraft										
A7.8.4.1. Team member								2b	-	-
A7.8.4.2. Team panel operator								2b	-	-
A7.8.4.3. Team supervisor								-	-	-
A7.8.4.4. Refuel and defuel JP-7/dissimilar fuels										
A7.8.4.4.1. Supervisor								-	-	-
A7.8.4.4.2. Panel operator								-	-	-
A7.8.4.4.3. Ground observer/panel operator								-	-	-
A7.8.4.4.4. Defuel station monitor (vehicle, overfill monitor)								-	-	-
A7.8.5. Prepare aircraft for fuel cell maintenance								-	-	-
A7.8.6. Inspect fuel system TR: Applicable -6 TO								1b	-	-
A7.8.7. In-flight refueling (IFR) system										
A7.8.7.1. Inspect								-	-	-
A7.8.7.2. Operate								-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.8.8. Ground transfer fuel	*							2b	-	-
A7.8.9. IFR receiver system										
A7.8.9.1. Inspect	*							2b	-	-
A7.8.9.2. Operate	*							2b	-	-
A7.8.10. Boom										
A7.8.10.1. Inspect	*							2b	-	-
A7.8.10.2. Operate	*							2b	-	-
A7.8.10.3. Raise and lower	*							2b	-	-
A7.8.10.4. Drain	*							2b	-	-
A7.8.10.5. Service shock absorber	*							2b	-	-
A7.8.10.6. Service boom hoist reservoir	*							2b	-	-
A7.8.10.7. Service surge boots								2b	-	-
A7.8.11. Drogue										
A7.8.11.1. Remove and install	*							-	-	-
A7.8.11.2. Perform breakaway test								-	-	-
*A7.9. ELECTRICAL SYSTEMS TR: Applicable -2 TOs										
A7.9.1. Electrical components and system operation								A	-	-
A7.9.2. Switch guards								A	-	-
A7.9.3. Perform operational check with external power unit										
A7.9.3.1. Electrical power supply system								-	-	-
A7.9.3.2. Lighting system	*							2b	-	-
A7.9.3.3. Indicator warning lights								-	-	-
A7.9.4. Remove and Install										
A7.9.4.1. Light lenses	*							-	-	-
A7.9.4.2. Light bulbs	*							-	-	-
A7.9.4.3. Batteries	*							2b	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A7.9.5. Use wiring diagrams								-	-	-
A7.9.6. Inspect TR: Applicable -6 TOs										
A7.9.6.1. Components								-	-	-
A7.9.6.2. Wiring and connectors								-	-	-
A7.9.7. Connect/apply and disconnect external electrical power	*							3c	-	-
*A7.10. EGRESS SYSTEM TR: Applicable -2 TOs										
A7.10.1. Egress components and system operation								A	-	-
A7.10.2. Inspect TR: Applicable -6 TOs								-	-	-
A7.10.3. Emergency escape slides	*							-	-	-
A7.10.4. Emergency exit spoiler (fwd/aft)								-	-	-
*A7.11. AEROSPACE GROUND EQUIPMENT TR: AFOSH Std 127-100										
A7.11.1. Inspect and operate gaseous oxygen service equipment TR: TOs 15X1-1, 37C2-8								2b	-	-
A7.11.2. Inspect and operate liquid oxygen servicing equipment TR: TOs 15X1-1, 37C2-8	*							-	-	-

C-135 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE: This attachment is used in conjunction with Attachment 2.										
*A8.1. MAINTENANCE MATERIALS AND TOOLS TR: TO 1-1A-8, 44 Series										
A8.1.1. Use hardware and securing devices	*							3c	-	-
A8.1.2. Select and use hand tools	*							-	-	-
A8.1.3. Select and use measuring tools	*							-	-	-
A8.1.4. Select and use aircraft sealants TR:TO 1-1-3								c	-	-
A8.1.5. Use restraint harnesses TR: TO 1C-141B-2-00GE-00-1								2b	-	-
A8.2. MAINTENANCE MANAGEMENT										
A8.2.1. Maintenance data collection/GO81 TR: AFM 66-267, 66-278, TO 00-70 Series										
A8.2.1.1 Maintenance Data Collection (GO81)								A	-	-
A8.2.1.2. 9050-Open aircraft discrepancies	*							3c	-	-
A8.2.1.3. 9010-Close aircraft discrepancies	*							3c	-	-
A8.2.1.4. 9099-MDC/close aircraft discrepancy	*							3c	-	-
A8.2.1.5. 8063-Jobs closed, no MDC taken list	*							2b	-	-
A8.2.2. Research parts TR: AFM 67-1, AFR 66-1, TO 00-20 Series										
A8.2.2.1. 9128-Build repairable item processing tag (AFTO Form 350)	*							3c	-	-
A8.2.2.2. 8044-Supply information on a particular aircraft		*						2b	-	-
A8.2.2.3. 8057-Tail number bin (TNB) list		*						2b	-	-
A8.2.2.4. Document AF Form 2005, Supply Ordering	*							2b	-	-
A8.2.3. Maintain aircraft records TR: TO 00-20 Series										

C-141 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.2.3.1. 9032F-Generate and document aircraft flying forms	*							3c	-	-
A8.2.3.2. 9203-JOAP sample form	*							3c	-	-
A8.2.3.3. Document AF Form 1492, Warning Tag	*							3c	-	-
*A8.3. AIRCRAFT GENERAL										
A8.3.1. Safety precautions TR: AFOSH Std 127-66										
A8.3.1.1. Danger areas								B	-	-
A8.3.1.2. Accident prevention								B	-	-
A8.3.2. Prevent FOD TR: AFR 66-23 AMC Sup 1	*							3c	-	-
A8.3.3. Use technical orders TR: AFR 5-1, 8-2 TO 00-5-1, 00-5-2, 00-5-18	*							3c	-	-
A8.3.4. Detect corrosion TR: TO 1-1-1, 1-1-2	*							3c	-	-
A8.3.5. Isochronal inspections TR: TO 00-20-5										
A8.3.5.1. Isochronal Inspection Concept								B	-	-
A8.3.5.2. Perform preflight inspection TR: TO 1C-141B-6WC-1	*							3c	-	-
A8.3.5.3. Perform thruflight inspection TR: TO 1C-141B-6WC-2	*							3c	-	-
A8.3.5.4. Perform basic post flight inspection TR: TO 1C-141B-6WC-1	*							3c	-	-
A8.3.5.5. Perform home station check								-	-	-
A8.3.5.6. Perform major isochronal inspection								-	-	-
A8.3.5.7. Perform acceptance inspection								-	-	-
A8.3.5.8. Perform calendar inspection								-	-	-
A8.3.5.9. Perform special inspection								-	-	-
A8.3.5.10. Perform time change item								-	-	-

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.3.6. Communications systems										
A8.3.6.1. Operate UHF radio								-	-	-
A8.3.6.2. Operate VHF radio								-	-	-
A8.3.6.3. Operate interphone TR: TO 1C-141B-2-23JG-40-1	*							3c	-	-
A8.3.7. Ground handling								-	-	-
A8.3.7.1. Launch aircraft TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.3.7.2. Recover aircraft TR: TO 1C-141B-2-10JG-00-1	*							3c	-	-
A8.3.7.3. Statically ground aircraft TR: TO 1C-141B-2-10JG-00-1	*							3c	-	-
A8.3.7.4. Tow aircraft										
A8.3.7.4.1. Tow procedures TR: TO 1C-141B-2-09JG-00-1								B	-	-
A8.3.7.4.2. Prepare aircraft for tow TR: TO 1C-141B-2-09JG-00-1	*							3c	-	-
A8.3.7.4.3. Wing/tail walker TR: TO 1C-141B-2-09JG-00-1	*							3c	-	-
A8.3.7.4.4. Brake operator TR: TO 1C-141B-2-09JG-00-1	*							3c	-	-
A8.3.7.4.5. Panel operator	*R							-	-	-
A8.3.7.4.6. Tow supervisor								-	-	-
A8.3.7.4.7. Tow vehicle operator								-	-	-
A8.3.7.5. Moor aircraft TR: TO 1C-141B-2-10JG-00-1	*							3c	-	-
A8.3.7.6. Jack aircraft								-	-	-
A8.3.7.6.1. Aircraft jacking TR: TO 1C-141B-2-07JG-00-1								B	-	-
A8.3.7.6.2. Wing jack team member								-	-	-
A8.3.7.6.3. Nose jack team member TR: TO 1C-141B-2-07JG-00-1								3c	-	-

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A8.3.7.6.4. Jacking supervisor	*							-	-	-	-
A8.3.7.6.5. Axle jacking TR: TO 1C-141B-2-07JG-00-1	*							3c	-	-	-
A8.3.7.7. Marshall aircraft TR: AFI 11-218	*							3c	-	-	-
A8.3.8. Reconfigure aircraft											
A8.3.8.1. Remove/install troop/passenger seats TR: TO 1C-141B-2-25JG-90-1	*							3c	-	-	-
A8.3.8.2. Remove/install cargo winch TR: TO 1C-141B-2-25JG-50-1								2b	-	-	-
A8.3.8.3. Inspect/remove/install -21 equipment								-	-	-	-
A8.3.8.4. Configure for aeromedical evacuation								-	-	-	-
A8.3.8.5. Configure for rolling stock/palletized cargo								-	-	-	-
A8.3.8.6. Configure for troop drop								-	-	-	-
A8.3.8.7. Configure for aerial delivery system (ADS)								-	-	-	-
A8.3.8.8. Configure for container delivery system								-	-	-	-
A8.3.8.9. Configure for distinguished visitor (DV)								-	-	-	-
A8.3.9. CargoWwinch TR: TO 1C-141B-2-25JG-50-1											
A8.3.9.1 Operate Cargo Winch								2b	-	-	-
A8.3.9.2. Service/repair cargo winch								-	-	-	-
A8.3.9.3. Remove/install cargo winch								-	-	-	-
A8.3.10. Assist in weight and balance								-	-	-	-
A8.3.11. Debrief aircrews								-	-	-	-
A8.3.12. Remove and install crew latrine TR: TO 1C-141B-2-25JG-00-1								3c	-	-	-
A8.3.13. Remove/install/repair											

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A8.3.13.1. Cargo rollers								-	-	-	-
A8.3.13.2. Cargo rails								-	-	-	-
A8.3.13.3. Restraint locks								-	-	-	-
A8.3.13.4. Troubleshoot/adjust rails								-	-	-	-
*A8.4. AIRFRAME SYSTEMS											
A8.4.1. Airframe components and structure TR: TO 1C-141B-2-00GE-00-1								B	-	-	-
A8.4.2. Door system principles of operation											
A8.4.2.1. Crew entry door TR: TO 1C-141B-2-52JG-10-1								B	-	-	-
A8.4.2.2. Cargo doors/ramp TR: TO 1C-141B-2-52JG-00-1								B	-	-	-
A8.4.3. Open and close											
A8.4.3.1. Cargo doors (normal mode) TR: TO 1C-141B-2-52JG-30-1	*							3c	-	-	-
A8.4.3.2. Cargo doors (manual)	*							-	-	-	-
A8.4.3.3. Paratroop doors TR: TO 1C-141B-2-52JG-10-1	*							3c	-	-	-
A8.4.3.4. Crew entry door TR: TO 1C-141B-2-52JG-10-1	*							3c	-	-	-
A8.4.3.5. Emergency exits TR: TO 1C-141B-2-52JG-20-1	*							3c	-	-	-
A8.4.3.6. Radome TR: TO 1C-141B-2-05JG-00-1								3c	-	-	-
A8.4.4. Remove and install											
A8.4.4.1. Aircraft panels TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-	-
A8.4.4.2. Crew member seats TR: TO 1C-141B-2-52JG-10-1	*							3c	-	-	-
A8.4.4.3. Windshield TR: TO 1C-141B-2-56JG-00-1								b	-	-	-
A8.4.4.4. Wing life rafts TR: TO 1C-141B-2-25JG-60-1	*							3c	-	-	-

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.4.4.5. Aft upper deck life rafts TR: TO 1C-141B-2-25JG-60-1	*							3c	-	-
A8.4.4.6. Upper hatch life rafts TR: TO 1C-141B-2-25JG-60-1	*							3c	-	-
A8.4.4.7. Pressure seals								-	-	-
A8.4.4.8. Troop door								-	-	-
A8.4.4.9. Crew entry door								-	-	-
A8.4.4.10. Troop/flight station ladder assembly								-	-	-
A8.4.5. Lubricate TR: TO 1C-141B-2-12JG-20-1										
A8.4.5.1. Airframe and landing gear components								3c	-	-
A8.4.5.2. Flight control components								-	-	-
A8.4.6. Perform cold weather procedures								-	-	-
A8.4.7. Inspect crew/passenger comfort facilities								-	-	-
A8.4.8. Rig										
A8.4.8.1. #2 escape hatch								-	-	-
A8.4.8.2. Troop door								-	-	-
A8.4.8.3. Crew entry door								-	-	-
A8.4.8.4. Aft loading ramp lock mechanism								-	-	-
A8.4.8.5. Pressure door actuator								-	-	-
A8.4.9. Inspect exterior panels	*							-	-	-
A8.4.10. Troubleshoot cargo door system								-	-	-
*A8.5. LANDING GEAR SYSTEMS										
A8.5.1. Landing gear components and system operation TR: TO 1C-141B-2-32GS-00-1								B	-	-
A8.5.2. Operate										

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.5.2.1. Landing gear								-	-	-
A8.5.2.2. Brakes TR: TO 1C-141B-2-32JG-40-1	*							3c	-	-
A8.5.2.3. Steering system TR: TO 1C-141B-2-32JG-50-1								-	-	-
A8.5.2.4. Anti skid system								-	-	-
A8.5.3. Inflate										
A8.5.3.1. Shock strut TR: TO 1C-141B-2-07JG-00-1	*							3c	-	-
A8.5.3.2. Axle beam (bogie) positioner TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-
A8.5.3.3. Tires TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-
A8.5.4. Disconnect/connect										
A8.5.4.1. NLG torque arms TR: TO 1C-141B-2-32JG-20-1	*							3c	-	-
A8.5.4.2. Right NLG door TR: TO 1C-141B-2-32JG-20-2	*							3c	-	-
A8.5.4.3. MLG doors TR: TO 1C-141B-2-32JG-10-2	*							3c	-	-
A8.5.5. Remove and Install										
A8.5.5.1. Main wheel and tire assembly TR: TO 1C-141B-2-32JG-40-1	*							3c	-	-
A8.5.5.2. Nose wheel and tire assembly TR: TO 1C-141B-2-32JG-20-1	*							3c	-	-
A8.5.5.3. Brake assembly TR: TO 1C-141B-2-32JG-40-1								2b	-	-
A8.5.5.4. Brake hose TR: TO 1C-141B-2-32JG-40-1								2b	-	-
A8.5.5.5. Brake swivel fitting TR: TO 1C-141B-2-32JG-40-1								2b	-	-
A8.5.5.6. Main landing gear aft support structure								-	-	-

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	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.5.5.7. Main landing gear door bell crank drive assembly								-	-	-
A8.5.6. Bleed brake TR: TO 1C-141B-2-32JG-40-1								2b	-	-
A8.5.7. Reset brake fuse TR: TO 1C-141B-2-32JG-40-1	*							2b	-	-
A8.5.8. Determine serviceability of tires TR: TO 4T-1-3	*							3c	-	-
A8.5.9. Troubleshoot								-	-	-
A8.5.10. Rig and adjust nose wheel steering sprocket wheel drive								-	-	-
*A8.6. UTILITY SYSTEMS										
A8.6.1. Utility components and system operation										
A8.6.1.1. Bleed air system TR: TO 1C-141B-2-21GS-00-1								B	-	-
A8.6.1.2. Wing overheat warning system TR: TO 1C-141B-2-26GS-00-1								B	-	-
A8.6.1.3. Air conditioning system TR: TO 1C-141B-2-21GS-00-1								B	-	-
A8.6.1.4. Pressurization system TR: TO 1C-141B-2-21GS-00-1								B	-	-
A8.6.1.5. Anti-ice/de-ice system TR: TO 1C-141B-2-30GS-00-1								B	-	-
A8.6.1.6. Rain removal system TR: TO 1C-141B-2-30GS-00-1								B	-	-
A8.6.1.7. Fire/overheat warning/extinguishing system TR: TO 1C-141B-2-26GS-00-1								B	-	-
A8.6.1.8. Smoke detection system TR: TO 1C-141B-2-26GS-00-1								B	-	-
A8.6.1.9. Oxygen system TR: TO 1C-141B-2-35GS-00-1								B	-	-
A8.6.2. Operate										
A8.6.2.1. Bleed air system TR: TO 1C-141B-2-21JG-10-1								2b	-	-

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A8.6.2.2. Air conditioning system TR: TO 1C-141B-2-21JG-50-1								2b	-	-	-
A8.6.2.3. Pressurization system								-	-	-	-
A8.6.2.4. Rain removal system TR: TO 1C-141B-2-30JG-40-1								-	-	-	-
A8.6.2.5. Oxygen system TR: TO 1C-141B-2-35JG-10-1								-	-	-	-
A8.6.2.6. Anti-ice/de-ice systems TR: TO 1C-141B-2-30JG-10-1								-	-	-	-
A8.6.2.7. Fire/overheat warning systems TR: TO 1C-141B-2-26JG-10-1								2b	-	-	-
A8.6.2.8. Smoke detection system TR: TO 1C-141B-2-26JG-10-1								2b	-	-	-
A8.6.2.9. Wing overheat warning system TR: TO 1C-141B-2-21JG-10-1								2b	-	-	-
A8.6.3. Service oxygen system TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
*A8.7. FLIGHT CONTROL SYSTEMS											
A8.7.1. Flight control components and system operation TR: TO 1C-141B-2-27GS-00-1								B	-	-	-
A8.7.2. Operate flight controls TR: TO 1C-141B-2-27JG-00-1	*							3c	-	-	-
A8.7.3. Reset a flap asymmetry TR: TO 1C-141B-2-27JG-50-2								b	-	-	-
A8.7.4. Rig flight controls TR: TO 1C-141B-2-27JG-00-1								B	-	-	-
A8.7.5. Troubleshoot flight controls								-	-	-	-
A8.7.6. Remove and install flight control components											
A8.7.6.1. Flap torque limiter								-	-	-	-
A8.7.6.2. Flap jackscrew/transmitter screw assembly								-	-	-	-
A8.7.6.3. Roll lind dampner								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A8.8. HYDRAULIC SYSTEMS										
A8.8.1. Hydraulic components and system operation TR: TO 1C-141B-2-29GS-00-1								B	-	-
A8.8.2. Hydraulic schematic symbols TR: TO 1C-141B-2-00GE-00-1								B	-	-
A8.8.3. Service										
A8.8.3.1. Reservoir TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-
A8.8.3.2. Accumulator TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-
A8.8.4. Operate										
A8.8.4.1. Engine driven pump								-	-	-
A8.8.4.2. Non-engine driven pump TR: TO 1C-141B-2-29JG-10-1-1	*							3c	-	-
A8.8.5. Reposition/retorque lines for minor leaks TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.8.6. Remove and install										
A8.8.6.1. Tubing TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.8.6.2. Fittings TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.8.6.3. Filter elements TR: TO 1C-141B-2-29JG-10-1-1	*							3c	-	-
A8.8.7. Troubleshoot								-	-	-
*A8.9. ENGINES										
A8.9.1. Engine and auxiliary power unit (APU) components and system operation TR: TO 1C-141B-2-49GS-00-1								B	-	-
A8.9.2. Operate										
A8.9.2.1. Engine								-	-	-

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			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A8.9.2.2. Auxiliary power unit TR: TO 1C-141B-2-49JG-10-1-1	*R							2b	-	-	-
A8.9.3. Service											
A8.9.3.1. Oil tank TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.9.3.2. Constant speed drive tank TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.9.3.3. Auxiliary power unit TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.9.3.4. Starter TR: TO 1C-141B-2-12JG-10-1								-	-	-	-
A8.9.4. Remove and install								-	-	-	-
A8.9.4.1. Starter TR: TO 1C-141B-2-80JG-00-1								-	-	-	-
A8.9.4.2. Starter control valve TR: TO 1C-141B-2-80JG-00-1								-	-	-	-
A8.9.4.3. Fuel filter TR: TO 1C-141B-2-73JG-00-1								-	-	-	-
A8.9.4.4. Oil filter TR: TO 1C-141B-2-79JG-00-1								-	-	-	-
A8.9.4.5. Forward cowl door TR: TO 1C-141B-2-71JG-00-1								-	-	-	-
A8.9.4.6. Nose dome TR: TO 1C-141B-2-71-JG-00-1								-	-	-	-
A8.9.4.7. Thrust reverser fairing door TR: TO 1C-141B-2-78JG-00-1								-	-	-	-
A8.9.4.8. Remove & install Aft cowl door											
A8.9.5. Adjust cowl door latch TR: TO 1C-141B-2-71JG-00-1	*							3c	-	-	-
A8.9.6. Open and close											
A8.9.6.1. Forward cowl door TR: TO 1C-141B-2-71JG-00-1	*							3c	-	-	-
A8.9.6.2. Aft cowl door TR: TO 1C-141B-2-71JG-00-1	*							3c	-	-	-

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STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A8.9.6.3. Thrust reverser fairing door TR: TO 1C-141B-2-78JG-00-1	*							3c	-	-	-
A8.9.7. Take JOAP sample TR: TO 33-1-37	*							3c	-	-	-
A8.9.8. Inspect installed engine								-	-	-	-
A8.9.9. Inspect auxiliary power unit								-	-	-	-
A8.9.10. Deactivate thrust reverser system TR: TO 1C-141B-2-78JG-00-1	*							3c	-	-	-
*A8.10. FUEL SYSTEM											
A8.10.1. Fuel components and system operation TR: TO 1C-141B-2-28GS-00-1								B	-	-	-
A8.10.2. Perform ground transfer of fuel TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.10.3. Refuel aircraft											
A8.10.3.1. Preparation TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.10.3.2. Panel operator TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.10.3.3. Supervisor		*						-	-	-	-
A8.10.4. Defuel aircraft											
A8.10.4.1. Preparation TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.10.4.2. Panel operator TR: TO 1C-141B-2-12JG-10-1	*							3c	-	-	-
A8.10.4.3. Supervisor			*R					-	-	-	-
A8.10.5. Prepare aircraft for fuel cell maintenance								-	-	-	-
A8.10.6. In-flight refueling system											
A8.10.6.1. Location of components and system operation TR: TO 1C-141B-2-28GS-00-1								B	-	-	-
A8.10.6.2. Operate								-	-	-	-
A8.10.7. Troubleshoot Fuel System								-	-	-	-

C-141 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A8.11. ELECTRICAL SYSTEM										
A8.11.1. Electrical system components and system operation TR: TO 1C-141B-2-24GS-00-1								B	-	-
A8.11.2. Electrical schematic symbols TR: TO 1C-141B-2-00GE-00-1								B	-	-
A8.11.3. Remove and install										
A8.11.3.1. Light lenses TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.11.3.2. Light bulbs TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.11.3.3. Strobe anti-collision bulb TR: TO 1C-141B-2-00GE-00-1	*							3c	-	-
A8.11.3.4. Battery TR: TO 1C-141B-2-24JG-20-1	*							3c	-	-
A8.11.4. Operate lighting systems	*							3c	-	-
A8.11.5. Apply/disconnect external electrical power TR: TO 1C-141B-2-05JG-00-1	*							3c	-	-
A8.11.6. Troubleshoot								-	-	-
*A8.12. EGRESS SYSTEM										
A8.12.1. Egress system components and system operation TR: TO 1C-141B-2-25JG-60-1								B	-	-
A8.12.2. Inspect egress system components TR: TO 1C-141B-2-25JG-60-1								2b	-	-
A8.12.3. Operate egress system components TR: TO 1C-141B-2-25JG-60-1	*							2b	-	-
*A8.13. AEROSPACE GROUND EQUIPMENT										
A8.13.1. Inspect and operate maintenance stands TR: AFOSH Std 91-66, 127-100	*							3c	-	-
A8.13.2. Inspect and operate aircraft jacks TR: TO 35A2 Series	*							3c	-	-

C-141 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A8.13.3. Inspect and operate MC-1A/MC2A air compressor TR: TO 34Y1 Series	*							3c	-	-
A8.13.4. Inspect and operate H-1 heater TR: TO 35E7 Series	*							3c	-	-
A8.13.5. Inspect and operate A/M32A-86 electric generator TR: TO 35C2 Series	*							3c	-	-
A8.13.6. Inspect and operate NF-2 portable lighting equipment TR: TO 35F5 Series	*							3c	-	-
A8.13.7. Inspect and operate AM32A-95 gas turbine compressor TR: TO 35D12 Series	*							3c	-	-
A8.13.8. Inspect and operate LN-2 liquid nitrogen cart TR: TO 35D3 Series	*							3c	-	-
A8.13.9. Inspect and operate liquid oxygen servicing cart TR: TO 15X-1-1, 37C2-8	*							3c	-	-
A8.13.10. Inspect and position ground fire extinguisher TR: AFR 92-1	*							3c	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is to be used in conjunction with Attachment 2.										
*A9.1. AIRCRAFT GENERAL										
A9.1.1. Safety precautions pertaining to										
A9.1.1.1. High intensity sound								-	-	-
A9.1.1.2. Ground handling of aircraft								-	-	-
A9.1.1.3. Aircraft containing ammunition/explosives								-	-	-
A9.1.1.4. Radar/NDI								-	-	-
A9.1.1.5. Toxic compounds								-	-	-
A9.1.1.6. High pressure gases								-	-	-
A9.1.2. Prevent FOD	*							-	-	-
A9.1.3. Use standard and technical publications	*							-	-	-
A9.1.4. Maintenance data collection/ GO81										
A9.1.4.1. 9050-Open aircraft discrepancies	*							3c	-	-
A9.1.4.2. 9010-Close aircraft discrepancies	*							3c	-	-
A9.1.4.3. 9099-MDC/close aircraft discrepancy	*							3c	-	-
A9.1.4.4. 8063-Jobs closed, no MDC taken list	*							3c	-	-
A9.1.5. Research parts										
A9.1.5.1. 9128-Build repairable item processing tag (AFTO Form 350)	*							-	-	-
A9.1.5.2. 8044-Supply information on a particular aircraft	*							-	-	-
A9.1.5.3. 8057-Tail number bin (TNB) list	*							-	-	-
A9.1.5.4. Document AF Form 2005, Supply Ordering	*							-	-	-
A9.1.6. Maintain aircraft records										

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.1.6.1. 9032F-Generate aircraft flying forms	*							-	-	-	-
A9.1.6.2. 9203-JOAP sample form	*							-	-	-	-
A9.1.6.3. Document AF Form 1492, Warning Tag	*							-	-	-	-
A9.1.7. Detect corrosion	*							-	-	-	-
A9.1.8. Isochronal inspections											
A9.1.8.1. Isochronal concept								-	-	-	-
A9.1.8.2. Perform inspections								-	-	-	-
A9.1.8.2.1. Preflight	*							-	-	-	-
A9.1.8.2.2. Thruflight	*							3c	-	-	-
A9.1.8.2.3. Quick Turn-around	*							-	-	-	-
A9.1.8.2.4. Basic post flight	*							-	-	-	-
A9.1.8.2.5. Basic post flight/ preflight								-	-	-	-
A9.1.8.2.6. Home station check								-	-	-	-
A9.1.8.2.7. Major								-	-	-	-
A9.1.8.2.8. Acceptance								-	-	-	-
A9.1.8.2.9. Calendar								-	-	-	-
A9.1.8.2.10. Special								-	-	-	-
A9.1.8.2.11. Time change item								-	-	-	-
A9.1.8.2.12. Hot brake inspection								-	-	-	-
A9.1.8.2.13. Excessive taxing maneuvers inspection								-	-	-	-
A9.1.8.2.14. Flap overspeed inspection								-	-	-	-
A9.1.8.2.15. Slat overspeed inspection								-	-	-	-
A9.1.8.2.16. Landing gear overspeed inspection								-	-	-	-
A9.1.8.2.17. Survey damage and terrain inspection								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.1.9. Operate flight controls	*							-	-	-	-
A9.1.10. Aircraft communications equipment											
A9.1.10.1. Operate radio											
A9.1.10.1.1. UHF TR: 23-13-02								-	-	-	-
A9.1.10.1.2. VHF								-	-	-	-
A9.1.10.2. Operate interphone System TR: 23-41-02, 23-51-02											
A9.1.10.2.1. Maintenance	*							3c	-	-	-
A9.1.10.2.2. Flight Station	*							3c	-	-	-
A9.1.11. Perform ground handling											
A9.1.11.1. Launch aircraft TR: 10-10-01, 50-01	*							3c	-	-	-
A9.1.11.2. Recover aircraft	*							3c	-	-	-
A9.1.11.3. Tow aircraft TR: 09-11-01, 09-11-02											
A9.1.11.3.1. Operate Tow Vehicle	*							3c	-	-	-
A9.1.11.3.2. Prepare aircraft for tow	*							3c	-	-	-
A9.1.11.3.3. Wing/tail walker	*							3c	-	-	-
A9.1.11.3.4. Brake operator	*R							3c	-	-	-
A9.1.11.3.5. Tow team supervisor		*R						-	-	-	-
A9.1.11.3.6. Tow vehicle operator								-	-	-	-
A9.1.11.4. Moor aircraft								-	-	-	-
A9.1.11.6. Jack aircraft											
A9.1.11.6.1. Fuselage jacking											
A9.1.11.6.1.1. Jacking team member	*							-	-	-	-
A9.1.11.6.1.2. Jacking supervisor								-	-	-	-
A9.1.11.6.2. Fwd fuselage jacking								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course CDC	(1) Course CDC	(2) Course CDC
A9.1.11.6.3. MLG jacking (integral) TR: 07-12-01	*							3c	-	-
A9.1.11.6.4. NLG axle jacking TR: 07-12-02	*							3c	-	-
A9.1.11.7. Marshall aircraft	*							-	-	-
A9.1.11.8. Statically ground aircraft	*							-	-	-
A9.1.11.9. Remove/install ground safety locks	*							-	-	-
A9.1.12. Operate Mission Computer TR: 34-62-02	*							3c	-	-
A9.1.13. Operate Multifunction Display System (MFD) TR: 31-61-02	*							-	-	-
A9.1.14. Operate Maintenance Monitor Panel (MMP) To view and Erase faults TR: 40-21-10	*							3c	-	-
A9.1.15. Cargo winch										
A9.1.15.1. Operate cargo winch TR: 41-24-01	*							3c	-	-
A9.1.15.2. Service/repair cargo winch TR: 21-41-01	*							3c	-	-
A9.1.16. Remove/install										
A9.1.16.1. Cargo winch TR: 41-24-10								-	-	-
A9.1.16.2. Winch remote control battery pack								-	-	-
A9.1.16.3. Receiver mounting charger								-	-	-
A9.1.16.4. -21 Equipment								-	-	-
A9.1.17. Lavatory toilet and waste system										
A9.1.17.1. Inspect/operational check lavatory components								-	-	-
A9.1.17.2. Remove/install lavatory components								-	-	-
A9.1.18. Lubricate aircraft								-	-	-
A9.1.19. Wash aircraft windows/windshields								-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.1.20. Perform proper handling of ESD devices TR: 00-25-234								3c	-	-	-
A9.1.21. Operate	*										
A9.1.21.1. Support/stab strut for cargo TR: 41-22-02, 04-4	*							3c	-	-	-
A9.1.21.2. Logistics ADS lock actuator								-	-	-	-
A9.1.21.3. Actuator assembly/rail/lock/release ramp								-	-	-	-
A9.1.21.4. Actuator solenoid coil								-	-	-	-
A9.1.21.5. ADS locks control panel								-	-	-	-
A9.1.21.6. Cylinder assembly load equalizer ADS								-	-	-	-
A9.1.21.7. Load equalizer reservoir assembly								-	-	-	-
A9.1.21.8. ADS pallet stop assembly	*							-	-	-	-
A9.1.21.9. ADS controller	*							3c	-	-	-
A9.1.21.10. Logistics pallet control panel								-	-	-	-
A9.1.21.11. Tow release mechanism								-	-	-	-
A9.1.21.12. Receiver mounting charger								-	-	-	-
A9.1.21.13. Pilot/co-pilot/loadmaster aircraft seat components								-	-	-	-
A9.1.21.14. Liter support system components								-	-	-	-
A9.1.21.15. Potable water system components								-	-	-	-
A9.1.21.16. Integrated Radio Management System (IRMS)								3c	-	-	-
A9.1.22. Stow buffet/lav unit								-	-	-	-
A9.1.23. Adjust troop door anchor cable								-	-	-	-
A9.1.24. Lock test restraint rail system								-	-	-	-
A9.1.25. Calibrate restraint rail system								-	-	-	-
A9.1.26. Configure aircraft for LAPS drop								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.1.27. Remove/install/repair											
A9.1.27.1. Cargo rollers								-	-	-	-
A9.1.27.2. Cargo rails								-	-	-	-
A9.1.27.3. Restraint locks								-	-	-	-
A9.1.28. Troubleshoot/adjust rails								-	-	-	-
A9.1.29. Configure/reconfigure aircraft											
A9.1.29.1. Aeromedical evacuation								-	-	-	-
A9.1.29.2. Rolling stock/palletized cargo								-	-	-	-
A9.1.29.3. Passenger/personnel								-	-	-	-
A9.1.29.4. Troop drop								-	-	-	-
A9.1.29.5. Aerial delivery system (ADS)								-	-	-	-
A9.1.29.6. Container delivery system								-	-	-	-
A9.1.29.7. Distinguished visitor (DV)								-	-	-	-
A9.1.30. Maintain/store configuration/-21 equipment								-	-	-	-
*A9.2. AIRFRAME											
A9.2.1. Airframe components and Structure								-	-	-	-
A9.2.2. Door system principles of operation											
A9.2.2.1. Crew entry door								-	-	-	-
A9.2.2.2. Cargo doors/ramp								-	-	-	-
A9.2.2.3. Emergency exits								-	-	-	-
A9.2.3. Operate doors											
A9.2.3.1. Crew entry doors	*							-	-	-	-
A9.2.3.2. Troop doors	*							-	-	-	-
A9.2.3.3. Emergency doors								-	-	-	-
A9.2.3.4. Aft cargo doors											

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.2.3.4.1. Automatic TR: 52-30-02	*							3c	-	-	-
A9.2.3.4.2. Manual								-	-	-	-
A9.2.3.5. Ramp blowdown system								-	-	-	-
A9.2.3.6. Ramp toes TR: 52-32-13	*							-	-	-	-
A9.2.4. Open and close											
A9.2.4.1. Nose radome assembly TR: 53-51-01								-	-	-	-
A9.2.4.2. Cowling	*							-	-	-	-
A9.2.4.3. Panels	*							-	-	-	-
A9.2.4.4. Radomes								-	-	-	-
A9.2.4.5. Tailcone								-	-	-	-
A9.2.4.6. Maintenance access doors											
A9.2.4.6.1. Underfloor maintenance tunnel TR: 00-00-03-1, 03-2								-	-	-	-
A9.2.4.6.2. Cargo ramp maintenance tunnel								-	-	-	-
A9.2.4.6.3. Horizontal stab								-	-	-	-
A9.2.4.6.4. Fuselage/wing access entry/exit TR: 00-00-01	*							3c	-	-	-
A9.2.4.6.5. Avionics compartment rack								-	-	-	-
A9.2.4.6.6. Fuel jettison island tip								-	-	-	-
A9.2.5. Remove and install											
A9.2.5.1. Cowling								-	-	-	-
A9.2.5.2. Panels	*							-	-	-	-
A9.2.5.3. Nonexplosive seats	*							-	-	-	-
A9.2.5.4. Life rafts								-	-	-	-
A9.2.5.5. Radomes								-	-	-	-
A9.2.5.6. Pressure seals								-	-	-	-
A9.2.5.7. Crew entry door								-	-	-	-
A9.2.5.8. Troop doors								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.2.5.9. Window/windshields								-	-	-	-
A9.2.5.10. Door/hatch seals								-	-	-	-
A9.2.5.11. Pressure door seals								-	-	-	-
A9.2.5.12. Cargo ramp seals								-	-	-	-
A9.2.5.13. Aircraft/emergency hatches								-	-	-	-
A9.2.5.14. Wing tip								-	-	-	-
A9.2.5.15. Winglet assembly								-	-	-	-
A9.2.5.16. Remaining components								-	-	-	-
A9.2.6. Inspect and repair crew entrance door/ladder								-	-	-	-
A9.2.7. Use maintenance tunnels/vertical stabilizer entry/exit procedures											
A9.2.7.1. Maintenance tunnels entry/exit	*							3c	-	-	-
A9.2.7.2. Vertical Stabilizer entry/exit TR: 00-00-02-1, 02-4	*							3c	-	-	-
A9.2.8. Perform aircraft inclement weather procedures								-	-	-	-
A9.2.9. Service Crew/passenger comfort facilities								-	-	-	-
A9.2.10. Inspect											
A9.2.10.1. Airframe components								-	-	-	-
A9.2.10.2. Crew/passenger comfort facilities								-	-	-	-
A9.2.11. Troubleshoot cargo door system								-	-	-	-
*A9.3. LANDING GEAR SYSTEM											
A9.3.1. Landing gear component and system operation								-	-	-	-
A9.3.2. Service											
A9.3.2.1. MLG Shock strut											
A9.3.2.1.1 Nitrogen TR: 12-32-02	*							3c	-	-	-
A9.3.2.1.2 Hydraulic Fluid	*							-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.3.2.2. NLG Shock strut											
A9.3.2.2.1 Nitrogen TR: 12-32-01	*							3c	-	-	-
A9.3.2.2.2 Hydraulic Fluid	*							-	-	-	-
A9.3.2.2. Tires TR: 12-32-03	*							3c	-	-	-
A9.3.2.3. Landing gear								-	-	-	-
A9.3.2.4. Main landing gear shimmy dampers TR: 12-32-04	*							-	-	-	-
A9.3.2.5. Main landing gear shock strut using OBIGGS	*							-	-	-	-
A9.3.2.6. Brake accumulator TR: 12-32-04	*							3c	-	-	-
A9.3.3. Remove/ install											
A9.3.3.1. Main wheel and tire assemblies TR: 32-41-10	*							3c	-	-	-
A9.3.3.2. Brake assemblies TR: 32-43-10								-	-	-	-
A9.3.3.3. Nose wheel and tire assemblies TR: 32-42-10	*							3c	-	-	-
A9.3.3.4. Brake hose								-	-	-	-
A9.3.3.5. Brake swiveling fitting								-	-	-	-
A9.3.3.6. Brake lines								-	-	-	-
A9.3.4. Bleed brake system TR: 32-43-01								-	-	-	-
A9.3.5. Inspect landing gear system								-	-	-	-
A9.3.6. Operate											
A9.3.6.1. Landing gear								-	-	-	-
A9.3.6.2. Brakes								-	-	-	-
A9.3.6.3. Steering system								-	-	-	-
A9.3.6.4. Anti skid								-	-	-	-
A9.3.6.5. Parking brake mechanism								-	-	-	-
A9.3.6.6. Brake temperature sensor								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.3.7. Lubricate/service main landing gear post assembly								-	-	-	-
A9.3.8. Disconnect/connect											
A9.3.8.1. NLG torque arms TR: 09-11-01	*							3c	-	-	-
A9.3.8.2. MLG doors	*							-	-	-	-
A9.3.9. Troubleshoot landing gear								-	-	-	-
A9.3.10. Rig/adjust											
A9.3.10.1. Main landing system								-	-	-	-
A9.3.10.2. Main landing gear doors								-	-	-	-
A9.3.10.3. Nose landing gear								-	-	-	-
A9.3.10.4. Nose landing gear doors								-	-	-	-
A9.3.10.5. Emergency extension system								-	-	-	-
A9.3.10.6. Nose landing gear emergency release system								-	-	-	-
A9.3.11. Determine serviceability of aircraft tires	*							-	-	-	-
*A9.4. UTILITY SYSTEMS											
A9.4.1. Utility system fundamentals, components, and system operation											
A9.4.1.1. Bleed air system								-	-	-	-
A9.4.1.2. Wing overheat warning system								-	-	-	-
A9.4.1.3. Air conditioning system								-	-	-	-
A9.4.1.4. Pressurization system								-	-	-	-
A9.4.1.5. Anti-ice/de-ice system								-	-	-	-
A9.4.1.6. Rain removal/windshield wiper system								-	-	-	-
A9.4.1.7. Fire/overheat warning system								-	-	-	-
A9.4.1.8. Fire extinguishing system								-	-	-	-
A9.4.1.9. Smoke detection system								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.4.1.10. Ram air turbine								-	-	-	-
A9.4.1.11. Fuel tank inerting and fire suppression system								-	-	-	-
A9.4.1.12. Fresh/potable water system								-	-	-	-
A9.4.1.13. Waste water system								-	-	-	-
A9.4.1.14. Onboard Inert Gas Generating System (OBIGGS)								-	-	-	-
A9.4.2. Operate											
A9.4.2.1. Bleed air system								-	-	-	-
A9.4.2.2. Wing overheat warning system								-	-	-	-
A9.4.2.3. Air conditioning system TR: 21-00-01								-	-	-	-
A9.4.2.4. Pressurization system								-	-	-	-
A9.4.2.5. Anti-ice/de-ice system								-	-	-	-
A9.4.2.6. Rain removal/windshield wiper system	*							-	-	-	-
A9.4.2.7. Fire/overheat warning system								-	-	-	-
A9.4.2.8. Fire extinguishing system								-	-	-	-
A9.4.2.9. Smoke detection system								-	-	-	-
A9.4.2.10. Oxygen system								-	-	-	-
A9.4.2.11. Onboard Inert Gas Generating System (OBIGGS) TR: 47-00-01	*							3c	-	-	-
A9.4.2.12. Flame detectors								-	-	-	-
A9.4.2.13. Proximity sensing system	*							3c	-	-	-
A9.4.2.14. Visual warning and caution system TR: 31-52-02								-	-	-	-
A9.4.3. Inspect											
A9.4.3.1. Bleed air system								-	-	-	-
A9.4.3.2. Air conditioning system								-	-	-	-
A9.4.3.3. Pressurization system								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.4.3.4. Anti-ice/de-ice system								-	-	-	-
A9.4.3.5. Fire extinguishing system								-	-	-	-
A9.4.3.6. Oxygen								-	-	-	-
A9.4.3.7. Windshield wiper system	*							-	-	-	-
A9.4.4. Service											
A9.4.4.1. Gaseous oxygen	*							-	-	-	-
A9.4.4.2. Liquid oxygen TR: 12-35-01	*							3c	-	-	-
A9.4.4.3. Portable oxygen bottle	*							-	-	-	-
A9.4.5. Troubleshoot rain removal/windshield wiper system	*							-	-	-	-
A9.4.6. Remove and install											
A9.4.6.1. Fresh water system components								-	-	-	-
A9.4.6.2. Windshield wiper system components	*							-	-	-	-
A9.4.7. Troubleshoot indicating and recording system								-	-	-	-
*A9.5. FLIGHT CONTROLS											
A9.5.1. Flight control fundamentals, components, and system operation TR: 1C-17A-2-27JG-10-1								-	-	-	-
A9.5.2. Inspect flight control components								-	-	-	-
A9.5.3. Rig/adjust flight controls								-	-	-	-
A9.5.4. Perform operational check								-	-	-	-
A9.5.4.1. Yaw system	*							3c	-	-	-
A9.5.4.2. Aileron trim system	*							3c	-	-	-
A9.5.4.3. Rudder mechanical controls and surfaces	*							3c	-	-	-
A9.5.4.4. Rudder trim system								-	-	-	-
A9.5.4.5. Horizontal stabilizer system								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.5.4.6. Spoiler system								-	-	-	-
A9.5.4.7. Slat system								-	-	-	-
A9.5.4.8. Flaps using alternate method								-	-	-	-
A9.5.5. Remove and install											
A9.5.5.1. Aileron components								-	-	-	-
A9.5.5.3. Aileron trim components								-	-	-	-
A9.5.5.4. Spoiler and speedbrake components								-	-	-	-
A9.5.5.5. Elevator components								-	-	-	-
A9.5.5.6. Stabilizer trim components								-	-	-	-
A9.5.5.7. Rudder components								-	-	-	-
A9.5.5.8. Rudder trim components								-	-	-	-
A9.5.5.9. Wing flap/slat components								-	-	-	-
A9.5.5.10. Horizontal stabilizer Components								-	-	-	-
A9.5.6. Troubleshoot flight controls								-	-	-	-
A9.5.7. Operate horizontal stabilizer system TR: 27-40-02								-	-	-	-
*A9.6. HYDRAULIC SYSTEMS											
A9.6.1. Hydraulic system fundamentals components, and system operation								-	-	-	-
A9.6.2. Service											
A9.6.2.1. Reservoir primary method TR: 12-29-01	*							3c	-	-	-
A9.6.2.2. Load equalization reservoir TR: 12-41-02	*							3c	-	-	-
A9.6.2.3. Accumulator	*							3c	-	-	-
A9.6.2.4. Pitch trim actuator system								-	-	-	-
A9.6.3. Remove and install											

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.6.3.1. Accumulator								-	-	-	-
A9.6.3.2. Hydraulic control valve								-	-	-	-
A9.6.3.3. Tubing								-	-	-	-
A9.6.3.4. Fitting								-	-	-	-
A9.6.3.5. Filter elements								-	-	-	-
A9.6.3.6. Lines								-	-	-	-
A9.6.3.7. Hoses								-	-	-	-
A9.6.4. Inspect hydraulic system and components								-	-	-	-
A9.6.5. Troubleshoot hydraulic system and components								-	-	-	-
A9.6.6. Bleed reservoir TR: 12-29-03								-	-	-	-
A9.6.7. Operate											
A9.6.7.1. Engine driven pump								-	-	-	-
A9.6.7.2. Non-engine driven pump TR: 29-00-01	*							3c	-	-	-
A9.6.7.3. Hydraulic system controller	*							-	-	-	-
A9.6.8. Hydraulic schematics/symbols								-	-	-	-
A9.6.9. Reposition/retorque lines for minor leaks	*							-	-	-	-
A9.6.10. Connect/disconnect hydraulic test stand								-	-	-	-
*A9.7. ENGINES											
A9.7.1. Engine and auxiliary power unit (APU) components and system operation								-	-	-	-
A9.7.2. Take engine JOAP samples	*							-	-	-	-
A9.7.3. Perform											
A9.7.3.1. Engine operational check								-	-	-	-
A9.7.3.2. Engine trim								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.7.3.3. Aircraft engine motoring	*							-	-	-	-
A9.7.4. Operate auxiliary power unit TR: 49-00-01	*							3c	-	-	-
A9.7.5. Service											
A9.7.5.1. Oil system TR: 12-79-01	*							3c	-	-	-
A9.7.5.2. Integrated drive generator TR: 21-24-01	*							3c	-	-	-
A9.7.5.3. Auxiliary power unit TR: 12-49-01	*							3c	-	-	-
A9.7.5.4. Starter	*							3c	-	-	-
A9.7.6. Remove and install											
A9.7.6.1. Starter TR: 80-11-10	*							3c	-	-	-
A9.7.6.2. Starter control valve TR: 80-11-12	*							3c	-	-	-
A9.7.6.3. Fuel filter								-	-	-	-
A9.7.6.4. Oil filter								-	-	-	-
A9.7.6.5. Forward cowl door								-	-	-	-
A9.7.6.6. Nose dome								-	-	-	-
A9.7.6.7. Thrust reverser fairing								-	-	-	-
A9.7.6.8. Cowl/door locks								-	-	-	-
A9.7.7. Inspect installed engine								-	-	-	-
A9.7.8. Inspect auxiliary power unit								-	-	-	-
A9.7.9. Open and close											
A9.7.9.1. Thrust/fan reverser doors								-	-	-	-
A9.7.9.2. Auxiliary power unit access door	*							3c	-	-	-
A9.7.9.3. Engine accessory doors TR: 54-14-01	*							3c	-	-	-
A9.7.10. Deactivate thrust reverser system	*							-	-	-	-
A9.7.11. Hydraulically deploy /stow Thrust reverser	*							3c	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.7.12. Perform engine removal preparation								-	-	-	-
A9.7.13. Perform engine installation preparation								-	-	-	-
*A9.8. FUELS											
A9.8.1. Fuel system components and system operation								-	-	-	-
A9.8.2. Inspect fuel system								-	-	-	-
A9.8.3. Troubleshoot fuel system and components								-	-	-	-
A9.8.4. Refuel aircraft single point TR: 12-28-01	*										
A9.8.4.1. Team member	*							3c	-	-	-
A9.8.4.2. Team supervisor		*						-	-	-	-
A9.8.4.3. Fuel panel operator	*							-	-	-	-
A9.8.5. Defuel aircraft single point TR: 12-28-02											
A9.8.5.1. Team member								-	-	-	-
A9.8.5.2. Team supervisor								-	-	-	-
A9.8.5.3. Fuel panel operator								-	-	-	-
A9.8.6. Overwing refuel/defuel								-	-	-	-
A9.8.7. Rapid defuel								-	-	-	-
A9.8.8. Perform duties of a concurrent servicing supervisor (CSS)								-	-	-	-
A9.8.9. Prepare aircraft for fuel cell maintenance								-	-	-	-
A9.8.10. Aerial refueling (AR) receiver/universal aerial refueling receiver slipway installation (UARRSI) system operation								-	-	-	-
A9.8.11. Ground transfer fuel TR: 12-28-07	*							3c	-	-	-
*A9.9. ELECTRICAL											

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.9.1. Electrical system components and operation								-	-	-	-
A9.9.2. Operate system								-	-	-	-
A9.9.3. Remove/install electrical components											
A9.9.3.1. Light lens	*							-	-	-	-
A9.9.3.2. Light bulbs	*							-	-	-	-
A9.9.3.3. Batteries TR: 24-32-10	*							-	-	-	-
A9.9.3.4. Strobe anti-collision bulb	*							-	-	-	-
A9.9.3.5. Nose retractable landing light assembly	*							3c	-	-	-
A9.9.4. Inspect electrical system											
A9.9.4.1. Components								-	-	-	-
A9.9.4.2. Wiring and connectors								-	-	-	-
A9.9.5. Perform operational check											
A9.9.5.1. Electrical power supply system	*							-	-	-	-
A9.9.5.2. Lighting system	*							-	-	-	-
A9.9.5.3. Visual warning caution lights								-	-	-	-
A9.9.5.4. Batteries	*							-	-	-	-
A9.9.6. Connect/disconnect external electrical power TR: 10-61-01	*							3c	-	-	-
A9.9.7. Use solderless connectors								-	-	-	-
A9.9.8. Use wiring diagrams								-	-	-	-
A9.9.9. Electrical schematic/symbols								-	-	-	-
*A9.10. EGRESS											
A9.10.1. Egress components and system operation								-	-	-	-
A9.10.2. Inspect egress system components								-	-	-	-
A9.10.3. Operate egress system components								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A9.10.4. Service ramp emergency egress hydraulic accumulator TR: 95-31-13-8	*							3c	-	-	-
A9.10.5. Remove/install								-	-	-	-
A9.10.5.1. Life raft container assembly								-	-	-	-
A9.10.5.2. Emergency escape roll-up ladder								-	-	-	-
A9.10.5.3. Emergency escape roll-up ladder tube								-	-	-	-
*A9.11. AEROSPACE GROUND EQUIPMENT											
A9.11.1. Perform pre-use inspection and operate											
A9.11.1.1. Gaseous nitrogen servicing equipment	*							-	-	-	-
A9.11.1.2. Liquid nitrogen servicing equipment								-	-	-	-
A9.11.1.3. MC-1A air compressor								-	-	-	-
A9.11.1.4. MC-2A air compressor								-	-	-	-
A9.11.1.5. H-1 heater								-	-	-	-
A9.11.1.6. A/M32A-86 portable generator	*							-	-	-	-
A9.11.1.7. A/M32A-60	*							-	-	-	-
A9.11.1.8. NF-2 portable lighting equipment	*							-	-	-	-
A9.11.1.9. MA-1A gas turbine compressor								-	-	-	-
A9.11.1.10. AM32A-95 gas turbine compressor								-	-	-	-
A9.11.1.11. Liquid oxygen equipment	*							-	-	-	-
A9.11.1.12. Air conditioning unit (MA-31)								-	-	-	-
A9.11.1.13. MJ2A-1 hydraulic test stand (4000 PSI)								-	-	-	-
A9.11.1.14. TTU-228 hydraulic test stand								-	-	-	-
A9.11.1.15. Maintenance platform ("T" tail)								-	-	-	-

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

C-17 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is used in conjunction with Attachment 2.										
*A10.1. AIRCRAFT GENERAL										
A10.1.1. Safety precautions pertaining to										
A10.1.1.1. High intensity sound TR: TO 00-25-172								B	-	-
A10.1.1.2. Good housekeeping TR: TO 00-25-172								B	-	-
A10.1.1.3. Danger areas TR: TO 1C-5A-2-1								B	-	-
A10.1.1.4. Inspect and position ground fire extinguishers TR: TO 00-25-172	*							3c	-	-
A10.1.2. FOD prevention TR: AFI 32-2001	*							B	-	-
A10.1.3. Use technical orders TR: TO 00-20-1	*							2b	-	-
A10.1.4. Basic functions within the maintenance complex TR: TO 00-20-1								-	-	-
A10.1.5. Maintenance data collection								-	-	-
A10.1.6. Corrosion identification	*							-	-	-
A10.1.7. Isochronal inspections TR: TO 1C-5A-6										
A10.1.7.1. Isochronal inspection concept								B	-	-
A10.1.7.2. Perform inspections										
A10.1.7.2.1. Preflight TR: TO 1C-5A-6WC-1	*							2b	-	-
A10.1.7.2.2. Thruflight	*							-	-	-
A10.1.7.2.3. Basic post flight TR: TO 1C-5A-6WC-2	*							2b	-	-
A10.1.7.2.4. Home station check								-	-	-
A10.1.7.2.5. Minor								-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.1.7.2.6. Major								-	-	-	-
A10.1.7.2.7. Acceptance								-	-	-	-
A10.1.7.2.8. Calendar								-	-	-	-
A10.1.7.2.9. Special								-	-	-	-
A10.1.7.2.10. Time change item								-	-	-	-
A10.1.8. Communications systems											
A10.1.8.1. Operate radio											
A10.1.8.1.1. UHF								-	-	-	-
A10.1.8.1.2. VHF								-	-	-	-
A10.1.8.1.3. Interphone system TR: TO 1C-5A-2-8	*							2b	-	-	-
A10.1.9. Ground handling											
A10.1.9.1. Launch and recovery procedures								B	-	-	-
A10.1.9.2. Launch aircraft TR: TO 1C-5A-2-1	*							b	-	-	-
A10.1.9.3. Recover aircraft TR: TO 1C-5A-2-1	*							b	-	-	-
A10.1.9.4. Select and use restraint harnesses TR: TO 1C-5A-2-1	*							3c	-	-	-
A10.1.9.2. Tow aircraft											
A10.1.9.2.1. Tow procedures TR: TO 1C-5A-2-1CL-1								B	-	-	-
A10.1.9.2.2. Prepare aircraft for tow TR: TO 1C-5A-2-1CL-1	*							B	-	-	-
A10.1.9.2.3. Wing/tail walker	*							-	-	-	-
A10.1.9.2.4. Brake operator TR: TO 1C-5A-2-1CL-1	*							2b	-	-	-
A10.1.9.2.5. Panel operator	*R							-	-	-	-
A10.1.9.2.6. Tow supervisor								-	-	-	-
A10.1.9.2.7. Tow vehicle operator								-	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A10.1.9.3. Moor aircraft								-	-	-
A10.1.9.4. Jack aircraft										
A10.1.9.4.1. Fuselage Jacking TR: TO 1C-5A-2-1	*							B	-	-
A10.1.9.4.2. Jacking team member TR: TO 1C-5A-2-1CL-2	*							b	-	-
A10.1.9.4.3. Jacking supervisor	*							-	-	-
A10.1.9.4.4. Axle jacking TR: TO 1C-5A-2-1	*							2b	-	-
A10.1.10. Reconfigure aircraft										
A10.1.10.1. Aeromedical evacuation								-	-	-
A10.1.10.2. Rolling stock/palletized cargo								-	-	-
A10.1.10.3. Passenger/personnel								-	-	-
A10.1.10.4. Troop drop								-	-	-
A10.1.10.5. Aerial delivery system (ADS)								-	-	-
A10.1.10.6. Container delivery system								-	-	-
A10.1.10.7. Distinguished visitor (DV)								-	-	-
A10.1.11. Service cargo winch TR: TO 1C-5A-2-1								-	-	-
A10.1.12. Remove/install cargo winch TR: TO 1C-5A-2-2								-	-	-
A10.1.13. Operate cargo winch TR: TO 1C-5A-2-2								-	-	-
A10.1.14. Assist in weight and balance								-	-	-
A10.1.15. Debrief aircrews								-	-	-
A10.1.16. Remove and install troop/ passenger seats								-	-	-
A10.1.17. Deactivate/reactivate FSS system TR: TO 1C-5A-2-13								B	-	-
A10.1.18. Remove/install/repair										
A10.1.18.1. Cargo rollers								-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.1.18.2. Cargo rails								-	-	-	-
A10.1.18.3. Restraint rails								-	-	-	-
A10.1.19. Troubleshoot/adjust rails								-	-	-	-
A10.1.20. Maintain/store configuration/-21 equipment								-	-	-	-
*A10.2. AIRFRAME SYSTEMS											
A10.2.1. Airframe components and structure TR: TO 1C-5A-2-2								B	-	-	-
A10.2.2. Door system principles of operation TR: TO 1C-5A-2-2, 1C-5A-2-12											
A10.2.2.1. Crew entry door TR: TO 1C-5A-2-12								B	-	-	-
A10.2.2.2. Forward cargo door TR: 1C-5A-2-12								B	-	-	-
A10.2.2.3. Aft cargo doors/ramp TR: 1C-5A-2-12								B	-	-	-
A10.2.2.4. Emergency exits TR: 1C-5A-2-12								B	-	-	-
A10.2.3. Operate doors											
A10.2.3.1. Fwd cargo											
A10.2.3.1.1. Automatic		*						-	-	-	-
A10.2.3.1.2. Manual								-	-	-	-
A10.2.3.2. Aft cargo											
A10.2.3.2.1. Automatic		*						-	-	-	-
A10.2.3.2.2. Manual								-	-	-	-
A10.2.3.3. Paratroop TR: TO 1C-5A-2-2	*							2b	-	-	-
A10.2.3.4. Crew entry TR: TO 1C-5A-2-12	*							2b	-	-	-
A10.2.3.5. Emergency exits TR: TO 1C-5A-2-2								2b	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.2.4. Remove and Install											
A10.2.4.1. Aircraft panels TR: TO 1C-5A-2-2	*							2b	-	-	-
A10.2.4.2. Crew member seats TR: TO 1C-5A-2-2	*							2b	-	-	-
A10.2.4.3. Windshield/windows								-	-	-	-
A10.2.4.4. #2 hatch life raft								-	-	-	-
A10.2.4.5. Pressure seals								-	-	-	-
A10.2.4.6. Cargo floor rollers TR: TO 1C-5A-2-2								2b	-	-	-
A10.2.4.7. Crew entry door								-	-	-	-
A10.2.4.8. Troop/door ladder assembly								-	-	-	-
A10.2.4.9. Troop/flight station ladder								-	-	-	-
A10.2.4.10. Visor door actuator								-	-	-	-
A10.2.4.11. Visor door conical								-	-	-	-
A10.2.4.12. Forward ramp floor bracket								-	-	-	-
A10.2.4.13. Forward ramp lock mechanism								-	-	-	-
A10.2.4.14. Forward ramp								-	-	-	-
A10.2.4.15. Forward ramp extension								-	-	-	-
A10.2.4.16. Pressure door lock mechanism								-	-	-	-
A10.2.4.17. Pressure door uplock mechanism								-	-	-	-
A10.2.4.18. Ramp components								-	-	-	-
A10.2.4.19. Aft pressure door								-	-	-	-
A10.2.4.20. Aft center door								-	-	-	-
A10.2.4.21. Gearbox from the aft cargo center door								-	-	-	-
A10.2.4.22. Jackscrew from the aft center door								-	-	-	-
A10.2.4.23. Aft side door latch bayonet								-	-	-	-
A10.2.4.24. Aft cargo side door grab latch								-	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.2.4.25. Aft side door								-	-	-	-
A10.2.4.26. Petal door latching mechanism								-	-	-	-
A10.2.4.27. Petal door jackscrew								-	-	-	-
A10.2.4.28. Petal door hinge								-	-	-	-
A10.2.4.29. Petal door								-	-	-	-
A10.2.4.30. Aft cargo ramp								-	-	-	-
A10.2.5. Open and close											
A10.2.5.1. Radomes TR: 1C-5A-2-2								B	-	-	-
A10.2.5.2. Hatches TR: TO 1C-5A-2-2	*							3c	-	-	-
A10.2.6. Inspect and repair											
A10.2.6.1. Crew entrance door/ladder								-	-	-	-
A10.2.6.2. Paratroop doors								-	-	-	-
A10.2.7. Inspect airframe components								-	-	-	-
A10.2.8. Perform cold weather procedures								-	-	-	-
A10.2.9. Inspect crew/passenger comfort facilities								-	-	-	-
A10.2.10. Operate flight station ladder/ troop compartment ladder TR: TO 1C-5A-2-2								2b	-	-	-
A10.2.11. Service crew/passenger comfort facilities								-	-	-	-
A10.2.12. Rig and adjust											
A10.2.12.1. Troop door								-	-	-	-
A10.2.12.2. Crew entry door								-	-	-	-
A10.2.12.3. #2 escape hatch											
A10.2.12.4. Visor door actuator								-	-	-	-
A10.2.12.5. Visor conicals and receptacles								-	-	-	-
A10.2.12.6. Forward ramp lock mechanism								-	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.2.12.7. Aft ramp asymmetry valve								-	-	-	-
A10.2.12.8. Aft center door drive mechanisms and latches								-	-	-	-
A10.2.12.9. Petal door								-	-	-	-
A10.2.13. Vertical stabilizer entry procedures								-	-	-	-
*A10.3. LANDING GEAR SYSTEMS											
A10.3.1. Landing gear components and system operation TR: TO 1C-5A-2-10								B	-	-	-
A10.3.2. Operate											
A10.3.2.1. Landing gear	*							-	-	-	-
A10.3.2.2. Brakes TR: TO 1C-5A-2-10	*							2b	-	-	-
A10.3.2.3. Steering system								-	-	-	-
A10.3.2.4. Anti skid								-	-	-	-
A10.3.2.5. Individual kneel system TR: 1C-5A-2-10	*							b	-	-	-
A10.3.3. Inflate											
A10.3.3.1. Shock strut TR: TO 1C-5A-2-10	*							2b	-	-	-
A10.3.3.2. Pitch positioner TR: TO 1C-5A-2-10								2b	-	-	-
A10.3.3.3. Tires TR: TO 1C-5A-2-10	*							2b	-	-	-
A10.3.3.4. Main landing gear bogie beam positioner with air/nitrogen								-	-	-	-
A10.3.4. Lubricate landing gear components								-	-	-	-
A10.3.5. Remove and install											
A10.3.5.1. Wheel and tire assemblies TR: TO 1C-5A-2-10	*							2b	-	-	-
A10.3.5.2. Brake assemblies TR: TO 1C-5A-2-10								b	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.3.5.3. Brake lines TR: TO 1C-5A-2-3								b	-	-	-
A10.3.5.4. Compensator links								-	-	-	-
A10.3.5.5. Main landing gear kneel pad actuator								-	-	-	-
A10.3.5.6. Main landing gear kneeling ballscrews								-	-	-	-
A10.3.5.7. Main landing gear rotary actuator and high speed gear box								-	-	-	-
A10.3.5.8. Main landing gear roll positioner assembly								-	-	-	-
A10.3.5.9. Nose gear drive gearbox ballscrew								-	-	-	-
A10.3.6. Bleed brake systems TR: TO 1C-5A-2-3								b	-	-	-
A10.3.7. Determine severiceability of aircraft tires TR: TO 4T-1-3	*							3c	-	-	-
A10.3.8. Troubleshoot											
A10.3.8.1. Extension and retraction systems											
A10.3.8.2. Individual kneel system								-	-	-	-
A10.3.8.3. Main landing gear test fixture								-	-	-	-
A10.3.8.4. Nose wheel steering sprocket wheel drive								-	-	-	-
*A10.4. UTILITY SYSTEMS											
A10.4.1. Utility system components and system operation											
A10.4.1.1. Bleed air system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.2. Wing overheat warning system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.3. Air conditioning system TR: TO 1C-5A-2-13								B	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.4.1.4. Anti-ice/de-ice system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.5. Pressurization system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.6. Rain removal system TR: TO 1C-5A-2-2								B	-	-	-
A10.4.1.7. Fire/overheat warning system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.8. Smoke detection system TR: TO 1C-5A-2-7								B	-	-	-
A10.4.1.9. Fire extinguishing system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.10. Oxygen system TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.11. Air turbine motor (ATM) TR: TO 1C-5A-2-13								B	-	-	-
A10.4.1.12. Fuel tank inerting and fire suppression TR: TO 1C-5A-2-13								B	-	-	-
A10.4.2. Operate	*	*	*	*	*	*	*	*	*	*	*
A10.4.2.1. Bleed air system TR: TO 1C-5A-2-13	*							b	-	-	-
A10.4.2.2. Test wing overheat warning system TR: TO 1C-5A-2-13								b	-	-	-
A10.4.2.3. Air conditioning system TR: TO 1C-5A-2-13								b	-	-	-
A10.4.2.4. Anti-ice/de-ice system								-	-	-	-
A10.4.2.5. Pressurization system								-	-	-	-
A10.4.2.6. Rain removal system								-	-	-	-
A10.4.2.7. Test fire/overheat warning system TR: TO 1C-5A-2-13								2b	-	-	-
A10.4.2.8. Test smoke detection system TR: TO 1C-5A-2-7								2b	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.4.2.9. Fire extinguishing system TR: TO 1C-5A-2-13								-	-	-	-
A10.4.2.10. Oxygen system TR: TO 1C-5A-2-13								-	-	-	-
A10.4.2.11. Air turbine motor (ATM)		*						-	-	-	-
A10.4.2.12. Operationally check flame detectors TR: TO 1C-5A-2-13								2b	-	-	-
A10.4.3. Service oxygen system TR: TO 1C-5A-2-1	*							2b	-	-	-
A10.4.4. Remove/service/reinstall portable oxygen bottles TR: TO 1C-5A-2-1	*							3c	-	-	-
A10.4.5. Service DEWAR with liquid nitrogen								-	-	-	-
A10.4.6. Drain DEWAR								-	-	-	-
*A10.5. FLIGHT CONTROL SYSTEMS											
A10.5.1. Flight control components and system operation TR: TO 1C-5A-2-9								B	-	-	-
A10.5.2. Operate flight controls TR: TO 1C-5A-2-9		*						b	-	-	-
A10.5.3. Inspect flight control systems								-	-	-	-
A10.5.4. Lubricate flight controls								-	-	-	-
A10.5.5. Rig flight controls											
A10.5.5.1. Slat actuator								-	-	-	-
A10.5.5.2. Flap power pack								-	-	-	-
A10.5.6. Troubleshoot flight controls								-	-	-	-
A10.5.7. Remove and install rudder pedal adjustment components								-	-	-	-
A10.5.8. Remove and install aileron control wheel								-	-	-	-
A10.5.9. Remove and install											

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.5.9.1. Slats								-	-	-	-
A10.5.9.2. Slat actuator								-	-	-	-
A10.5.9.3. Slat decoupler								-	-	-	-
A10.5.9.4. Slat track								-	-	-	-
A10.5.9.5. Slat and moving island actuator								-	-	-	-
A10.5.9.6. Slat moving island panel assembly								-	-	-	-
A10.5.9.7. Flap/slat brake								-	-	-	-
A10.5.9.8. Flap pack computer								-	-	-	-
A10.5.9.9. Flap jackscrew								-	-	-	-
A10.5.9.10. Flap torque limiter								-	-	-	-
*A10.6. HYDRAULIC SYSTEM											
A10.6.1. Hydraulic system components and system operation TR: TO 1C-5A-2-13								B	-	-	-
A10.6.2. Hydraulic schematic symbols TR: TO 1C-5A-2-13								B	-	-	-
A10.6.3. Service											
A10.6.3.1. Reservoir TR: TO 1C-5A-2-1	*							2b	-	-	-
A10.6.3.2. Accumulator TR: TO 1C-5A-2-1	*							2b	-	-	-
A10.6.4. Operate											
A10.6.4.1. Engine driven pump								-	-	-	-
A10.6.4.2. ATM driven pump TR: TO 1C-5A-2-3		*						b	-	-	-
A10.6.5. Remove and Install											
A10.6.5.1. Lines TR: TO 1C-5A-2-3								b	-	-	-
A10.6.5.2. Hoses TR: TO 1C-5A-2-3								b	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.6.5.3. Fittings TR: TO 1C-5A-2-3								b	-	-	-
A10.6.5.4. Swivels TR: TO 1C-5A-2-3								b	-	-	-
A10.6.5.5. Wiggins fittings TR: TO 1C-5A-2-3								b	-	-	-
A10.6.5.6. Pressure switches TR: TO 1C-5A-2-3								b	-	-	-
A10.6.5.7. Flow transducers TR: TO 1C-5A-2-3								b	-	-	-
A10.6.5.8. Filter elements TR: TO 1C-5A-2-3								b	-	-	-
A10.6.6. Reposition/retorque lines for minor leaks TR: TO 1C-5A-2-3								2b/b	-	-	-
A10.6.7. Connect hydraulic test stand								-	-	-	-
A10.6.8. Disconnect hydraulic test stand								-	-	-	-
*A10.7. ENGINES											
A10.7.1. Engine and APU components and operation TR: TO 1C-5A-2-4								B	-	-	-
A10.7.2. Operate											
A10.7.2.1. Engine								-	-	-	-
A10.7.2.2. Auxiliary power unit			*R					-	-	-	-
A10.7.2.3. Service											
A10.7.2.3.1. Oil system TR: TO 1C-5A-2-1	*							2b	-	-	-
A10.7.2.3.2. Constant speed drive reservoir TR: 1C-5A-2-1	*							b	-	-	-
A10.7.2.3.3. Auxiliary power unit TR: TO 1C-5A-2-4	*							2b	-	-	-
A10.7.2.3.4. Starter TR: 1C-5A-2-1								b	-	-	-
A10.7.4. Remove and Install											

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.7.4.1. Starter								-	-	-	-
A10.7.4.2. Starter control valve								-	-	-	-
A10.7.4.3. Oil filter								-	-	-	-
A10.7.4.4. Engine cowling								-	-	-	-
A10.7.4.5. Cowl door locks TR: 1C-5A-2-4								b	-	-	-
A10.7.4.6. APU inlet door actuator TR: 1C-5A-2-4		*						b	-	-	-
A10.7.5. Open/close engine cowling TR: TO 1C-5A-2-4	*							2b	-	-	-
A10.7.6. Take engine oil sample	*							-	-	-	-
A10.7.7. Inspect installed engine								-	-	-	-
A10.7.8. Inspect auxiliary power unit								-	-	-	-
A10.7.9. Open and close APU access door TR: TO 1C-5A-2-4	*							2b	-	-	-
A10.7.10. Deactivate thrust reverser system TR: TO 1C-5A-2-4								2b	-	-	-
A10.7.11. Perform engine removal preparation								-	-	-	-
A10.7.12. Perform engine installation preparation								-	-	-	-
A10.7.13. Thrust reverser components and operation TR: TO 1C-5A-2-4								B	-	-	-
A10.7.14. Rig and adjust throttle system								-	-	-	-
*A10.8. FUEL SYSTEM											
A10.8.1. Fuel system components and system operation TR: TO 1C-5A-2-5								B	-	-	-
A10.8.2. Perform ground transfer of fuel TR: TO 1C-5A-2-5	*							2b	-	-	-
A10.8.3. Refuel aircraft											

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.8.3.1. Preparation TR: TO 1C-5A-2-5, 1C-5A-2-1CL-6	*							B	-	-	-
A10.8.3.2. Panel operator	*							-	-	-	-
A10.8.3.3. Supervisor		*						-	-	-	-
A10.8.4. Defuel aircraft								-	-	-	-
A10.8.4.1. Preparation TR: TO 1C-5A-2-5, 1C-5A-2-1CL-6								B	-	-	-
A10.8.4.2. Panel operator								-	-	-	-
A10.8.4.3. Supervisor								-	-	-	-
A10.8.5. Prepare aircraft for fuel cell maintenance								-	-	-	-
A10.8.6. Inspect fuel system								-	-	-	-
A10.8.7. In-flight refueling system											
A10.8.7.1. Location of components and system operation TR: 1C-5A-2-5								B	-	-	-
A10.8.7.2. Inspect IFR system								-	-	-	-
A10.8.7.3. Operate								-	-	-	-
*A10.9. ELECTRICAL SYSTEM											
A10.9.1. Electrical system components and operation TR: 1C-5A-2-7								B	-	-	-
A10.9.2. Electrical schematic symbols TR: 1C-5A-2-7								B	-	-	-
A10.9.3. Operate											
A10.9.3.1. Interior/Exterior lighting system TR: TO 1C-5A-2-7	*							2b	-	-	-
A10.9.3.2. Indicator warning lights TR: TO 1C-5A-2-7	*							2b	-	-	-
A10.9.4. Remove and Install											

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.9.4.1. Light lenses TR: TO 1C-5A-2-7	*							2b	-	-	-
A10.9.4.2. Light bulbs TR: TO 1C-5A-2-7	*							2b	-	-	-
A10.9.4.3. Battery TR: TO 1C-5A-2-7	*							2b	-	-	-
A10.9.5. Use wiring diagrams								-	-	-	-
A10.9.6. Inspect											
A10.9.6.1. Components TR: 1C-5A-2-7								2b	-	-	-
A10.9.6.2. Wiring and connectors TR: 1C-5A-2.7								2b	-	-	-
A10.9.7. Connect apply and disconnect external electrical power TR: TO 1C-5A-2-1	*							3c	-	-	-
A10.10. EGRESS SYSTEM											
A10.10.1. Egress system components and operation TR: TO 1C-5A-2-2								B	-	-	-
A10.10.2. Inspect egress components TR: TO 1C-5A-2-2								2b	-	-	-
A10.10.3. Remove and install descent reels								-	-	-	-
*A10.11. AEROSPACE GROUND EQUIPMENT											
A10.11.1. Inspect and operate maintenance stands TR: AFOSH Std 91-66, 127-100								-	-	-	-
A10.11.2. Inspect and operate aircraft jacks TR: TO 35A2 Series								-	-	-	-
A10.11.3. Inspect and operate MC-1A/MC2A air compressor TR: TO 34Y1 Series								-	-	-	-
A10.11.4. Inspect and operate H-1 heater TR: TO 35E7 Series								-	-	-	-
A10.11.5. Inspect and operate A/M32A-86 electric generator TR: TO 35C2 Series	*							3c	-	-	-

C-5 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A10.11.6. Inspect and operate NF-2 portable lighting equipment TR: TO 35F5 Series	*							-	-	-	-
A10.11.7. Inspect and operate AM32A-95 gas turbine compressor TR: TO 35D12 Series								-	-	-	-
A10.11.8. Inspect and operate LN-2 liquid nitrogen cart TR: TO 35D3 Series								-	-	-	-
A10.11.9. Inspect and operate liquid oxygen servicing cart TR: TO 15X-1-1, 37C2-8								-	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is to be used in conjunction with Attachment 2.										
*A11.1. AIRCRAFT GENERAL										
A11.1.1. Flight line safety procedures TR: AFOSH-STD 127 Series								B	-	-
A11.1.2. Use TOs TR: TO 1C-9A-2-1	*							3c	-	-
A11.1.3. Isochronal inspection concept and inspections								-	-	-
A11.1.4. Perform inspections TR: TO 1C-9A-6										
A11.1.4.1. Preflight	*							3c	-	-
A11.1.4.2. Thruflight	*							3c	-	-
A11.1.4.3. Home station check								-	-	-
A11.1.4.4. Minor								-	-	-
A11.1.4.5. Major								-	-	-
A11.1.4.6. Acceptance								-	-	-
A11.1.4.7. Calendar								-	-	-
A11.1.4.8. Special								-	-	-
A11.1.4.9. Time change item								-	-	-
A11.1.5. Aircraft communications equipment TR: TO 1C-9A-2-23										
A11.1.5.1. Operate radio										
A11.1.5.1.1. UHF								3c	-	-
A11.1.5.1.2. VHF								3c	-	-
A11.1.5.1.3. Interphone	*							3c	-	-
A11.1.6. Perform ground handling TR: TO 1C-9A-2-9										
A11.1.6.1. Launch aircraft	*							3c	-	-
A11.1.6.2. Recover aircraft	*							3c	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A11.1.6.3. Aircraft tow procedures								-	-	-	-
A11.1.6.4. Tow aircraft											
A11.1.6.4.1. Prepare aircraft for tow	*							3c	-	-	-
A11.1.6.4.2. Wing/tail walker	*							3c	-	-	-
A11.1.6.4.3. Brake operator	*							3c	-	-	-
A11.1.6.4.4. Tow team supervisor		*						-	-	-	-
A11.1.6.4.5. Tow vehicle operator								-	-	-	-
A11.1.7. Moor aircraft TR: TO 1C-9A-2-10								-	-	-	-
A11.1.8. Jack aircraft TR: 1C-9A-2-7											
A11.1.8.1. Jacking team member	*							3c	-	-	-
A11.1.8.2. Plumb bob monitor	*							3c	-	-	-
A11.1.8.3. Jacking supervisor								-	-	-	-
A11.1.8.4. Axle jacking	*							3c	-	-	-
A11.1.8.5. Nose fuselage								-	-	-	-
A11.1.9. Statically ground aircraft TR: 00-25-172								-	-	-	-
A11.1.10. Remove, install and inspect-21 equipment								-	-	-	-
A11.1.11. Assist in weight and balance TR: 1C-9A-2-8								-	-	-	-
A11.1.12. Debrief aircrews								-	-	-	-
*A11.2. AIRFRAME SYSTEMS											
A11.2.1. Airframe components and structure								-	-	-	-
A11.2.2. Door system principles of operation TR: 1C-9A-2-52											
A11.2.2.1. Crew entry door								-	-	-	-
A11.2.2.2. Aft cabin doors								-	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A11.2.2.3. Patient loading ramp								-	-	-	-
A11.2.3. Operate doors TR: 1C-9A-2-52											
A11.2.3.1. Crew entry door	*							3c	-	-	-
A11.2.3.2. Aft cabin doors	*							3c	-	-	-
A11.2.3.3. Patient loading ramp	*							3c	-	-	-
A11.2.4. Remove and install TR: TOs 1C-9A-2-20, 1C-9A-2-25, 1C-9A-2-32, 1C-9A-2-52, 1C-9A-2-53, 1C-9A-2-56											
A11.2.4.1. Cowlings	*							-	-	-	-
A11.2.4.2. Panels	*							3c	-	-	-
A11.2.4.3. Nonexplosive seats								-	-	-	-
A11.2.4.4. Windshields/windows								-	-	-	-
A11.2.4.5. Life rafts								-	-	-	-
A11.2.4.6. Pressure seals								-	-	-	-
A11.2.4.7. Tail cone assembly	*							3c	-	-	-
A11.2.4.8. Forward entrance passenger stairway								-	-	-	-
A11.2.4.9. Patient loading ramp assembly								-	-	-	-
A11.2.4.10. Cargo/patient loading ramp (PLR) door								-	-	-	-
A11.2.4.11. Tailcone (raise/lower)								-	-	-	-
A11.2.4.12. Tail bumper strut								-	-	-	-
A11.2.5. Open and close											
A11.2.5.1. Cowling	*							3c	-	-	-
A11.2.5.2. Panels	*							3c	-	-	-
A11.2.5.3. Radomes	*							3c	-	-	-
A11.2.6. Maintain crew entrance doors/stair pack								-	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
		5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
				Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A11.2.7.	Inspect airframe and airframe components								-	-	-	-
A11.2.8.	Perform cold weather procedures TR: Local Procedures								-	-	-	-
A11.2.9.	Inspect crew/passenger comfort facilities								-	-	-	-
A11.2.10.	Change potable water filters TR: 1C-9A-2-38								-	-	-	-
A11.2.11.	Drain potable water tanks	*							3c	-	-	-
*A11.3.	LANDING GEAR SYSTEMS TR: 1C-9A-2-12, 1C-9A-2-32											
A11.3.1.	Landing gear components and system operation								B	-	-	-
A11.3.2.	Perform operational check											
A11.3.2.1.	Landing gear	*							3c	-	-	-
A11.3.2.2.	Brakes	*							3c	-	-	-
A11.3.2.3.	Steering system								-	-	-	-
A11.3.2.4.	Anti skid	*							3c	-	-	-
A11.3.3.	Service											
A11.3.3.1.	Main landing gear shock strut	*							3c	-	-	-
A11.3.3.2.	Main landing gear shimmy damper	*							-	-	-	-
A11.3.3.3.	Nose landing gear shock strut	*							3c	-	-	-
A11.3.3.4.	Tires	*							3c	-	-	-
A11.3.4.	Lubricate landing gear components	*							3c	-	-	-
A11.3.5.	Remove and install											
A11.3.5.1.	Wheel and tire assemblies	*							3c	-	-	-
A11.3.5.2.	Brake assemblies	*							3c	-	-	-
A11.3.6.	Bleed brake systems	*							3c	-	-	-
A11.3.7.	Determine serviceability of aircraft tires	*							3c	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A11.3.8. Inspect landing gear system								-	-	-	-
A11.3.9. Troubleshoot landing gear system								-	-	-	-
*A11.4. UTILITY SYSTEMS TR: 1C-9A-2-21, 1C-9A-2-30, 1C-9A-2-35, 1C-9A-2-36											
A11.4.1. Utility components and system operation											
A11.4.1.1. Bleed air system								-	-	-	-
A11.4.1.2. Wing overheat warning system								-	-	-	-
A11.4.1.3. Air conditioning system								-	-	-	-
A11.4.1.4. Pressurization system								-	-	-	-
A11.4.1.5. Anti-ice/de-ice system								-	-	-	-
A11.4.1.6. Rain removal system								B	-	-	-
A11.4.1.7. Fire/overheat warning system								-	-	-	-
A11.4.1.8. Fire extinguishing system								-	-	-	-
A11.4.1.9. Oxygen system								B	-	-	-
A11.4.2. Operate											
A11.4.2.1. Bleed air system								-	-	-	-
A11.4.2.2. Air conditioning system								-	-	-	-
A11.4.2.3. Pressurization system								-	-	-	-
A11.4.2.4. Anti-ice/de-ice system								-	-	-	-
A11.4.2.5. Fire/overheat warning system								-	-	-	-
A11.4.2.6. Fire extinguishing system								-	-	-	-
A11.4.2.7. Oxygen system	*							3c	-	-	-
A11.4.3. Inspect											
A11.4.3.1. Bleed air system								-	-	-	-
A11.4.3.2. Air conditioning system								-	-	-	-
A11.4.3.3. Pressurization system								-	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A11.4.3.4. Anti-ice/de-ice system								-	-	-	-
A11.4.3.5. Rain removal system	*							3c	-	-	-
A11.4.3.6. Fire/overheat warning system								-	-	-	-
A11.4.3.7. Fire extinguishing system								-	-	-	-
A11.4.3.8. Oxygen system								-	-	-	-
A11.4.4. Service Oxygen system								3c	-	-	-
A11.4.5. Purge Oxygen System								-	-	-	-
*A11.5. FLIGHT CONTROL SYSTEM TR: 1C-9A-2-12, 1C-9A-2-27											
A11.5.1. Flight control components and system operation								B	-	-	-
A11.5.2. Operate flight controls	*							3c	-	-	-
A11.5.3. Remove and install											
A11.5.3.1. Spoiler panels								-	-	-	-
A11.5.3.2. Flap panels								-	-	-	-
A11.5.3.3. Slat sections								-	-	-	-
A11.5.3.4. Aileron control wheel								-	-	-	-
A11.5.3.5. Trim tab actuators								-	-	-	-
A11.5.4. Inspect flight control system								-	-	-	-
A11.5.5. Lubricate flight controls	*							3c	-	-	-
A11.5.6. Rig flight controls								-	-	-	-
A11.5.7. Troubleshoot flight controls								-	-	-	-
*A11.6. HYDRAULIC SYSTEMS TR: 1C-9A-2-20, 1C-9A-2-29											
A11.6.1. Hydraulic components and system operation								B	-	-	-
A11.6.2. Hydraulic schematics								-	-	-	-
A11.6.3. Hydraulic system											
A11.6.3.1. Service reservoir	*							3c	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A11.6.3.2. Service accumulator	*							3c	-	-	-
A11.6.3.3. Inspect hydraulic system								-	-	-	-
A11.6.3.4. Operate											
A11.6.3.4.1. Engine driven pump								-	-	-	-
A11.6.3.4.2. Non-engine driven pump	*							3c	-	-	-
A11.6.3.5. Troubleshoot								-	-	-	-
A11.6.4. Remove and install											
A11.6.4.1. Lines								-	-	-	-
A11.6.4.2. Hoses								-	-	-	-
A11.6.4.3. Fittings								-	-	-	-
A11.6.4.4. Swivels								-	-	-	-
A11.6.4.5. Filters								-	-	-	-
A11.6.5. Connect and disconnect hydraulic test stand								-	-	-	-
A11.6.6. Reposition/retorque hydraulic lines for minor leaks								-	-	-	-
*A11.7. ENGINES TR: 1C-9A-2-12, 1C-9A-2-70 Series, 1C-9A-2-80											
A11.7.1. Engine and auxiliary power unit (APU) components and system operation								-	-	-	-
A11.7.2. Operate								-	-	-	-
A11.7.2.1. Engine								-	-	-	-
A11.7.2.2. Auxiliary power unit	*							-	-	-	-
A11.7.3. Service											
A11.7.3.1. Oil system	*							3c	-	-	-
A11.7.3.2. Constant speed drive	*							3c	-	-	-
A11.7.3.3. Gearbox								-	-	-	-
A11.7.3.4. Auxiliary power unit	*							3c	-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A11.7.3.5. Starter								-	-	-
A11.7.4. Remove and install										
A11.7.4.1. Starter								-	-	-
A11.7.4.2. Starter control valve								-	-	-
A11.7.4.3. Filters								-	-	-
A11.7.5. Take oil sample	*							3c	-	-
A11.7.6. Inspect installed engine								-	-	-
A11.7.7. Inspect auxiliary power unit (APU)	*							-	-	-
A11.7.8. Disable thrust reverser system	*							3c	-	-
A11.7.9. Perform engine removal preparation								-	-	-
A11.7.10. Perform engine installation preparation								-	-	-
*A11.8. AIRCRAFT FUEL SYSTEMS TR: 1C-9A-2-12, 1C-9A-2-28										
A11.8.1. Fuel components and system internal operation								-	-	-
A11.8.2. Perform operational check of fuel system	*							3c	-	-
A11.8.3. Refuel aircraft										
A11.8.3.1. Team member	*							3c	-	-
A11.8.3.2. Team supervisor		*						-	-	-
A11.8.4. Defuel aircraft										
A11.8.4.1. Team member	*							3c	-	-
A11.8.4.2. Team supervisor								-	-	-
A11.8.5. Prepare aircraft for fuel cell maintenance								-	-	-
A11.8.6. Inspect fuel system								-	-	-
A11.8.7. Ground transfer fuel	*							3c	-	-
A11.8.8. Troubleshoot								-	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A11.9. ELECTRICAL SYSTEMS TR: 1C-9A-2-20, 1C-9A-2-24, 1C-9A-2-110-24										
A11.9.1. Electrical system components and system operation								-	-	-
A11.9.2. Electrical schematics								-	-	-
A11.9.3. Perform operational check with power applied								-	-	-
A11.9.3.1. Electrical power supply system	*							3c	-	-
A11.9.3.2. Lighting system	*							3c	-	-
A11.9.3.3. Indicator warning lights	*							3c	-	-
A11.9.3.4. Batteries	*							3c	-	-
A11.9.4. Remove and install										
A11.9.4.1. Light lenses	*							3c	-	-
A11.9.4.2. Light bulbs	*							3c	-	-
A11.9.4.3. Batteries	*							3c	-	-
A11.9.5. Use wiring diagrams								-	-	-
A11.9.6. Inspect										
A11.9.6.1. Components								-	-	-
A11.9.6.2. Wiring and connectors								-	-	-
A11.9.7. Connect/disconnect external electrical power	*							3c	-	-
*A11.10. EGRESS SYSTEM TR: 1C-9A-2-25										
A11.10.1. Egress system components and system operation								-	-	-
A11.10.2. Inspect egress components								-	-	-
A11.10.3. Remove and install forward evacuation slide	*							3c	-	-
A11.10.4. Remove and install tail cone evacuation slide	*							3c	-	-

C-9 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A11.11. AEROSPACE GROUND EQUIPMENT TR: 30 Series TOs											
A11.11.1. Inspect and operate maintenance stands	*							3c	-	-	-
A11.11.2. Inspect and operate aircraft jacks								-	-	-	-
A11.11.3. Inspect and operate MC-1A/MC2A air compressor								-	-	-	-
A11.11.4. Inspect and operate H-1 heater								-	-	-	-
A11.11.5. Inspect and operate A/M32A-86 electric generator								-	-	-	-
A11.11.6. Inspect and operate NF-2 portable lighting equipment-								-	-	-	-
A11.11.7. Inspect and operate AM32A-95 gas turbine compressor								-	-	-	-
A11.11.8. Inspect and operate LN-2 liquid nitrogen cart								-	-	-	-
A11.11.9. Inspect and operate liquid oxygen servicing cart-								-	-	-	-
A11.11.10. Inspect and operate ground fire extinguisher								-	-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE 1: This attachment is used in conjunction with Attachment 2.										
*A12.1. AIRCRAFT GENERAL										
A12.1.1. Isochronal inspection concept and inspections TR: TOs 00-20-5, 1E-3A-6										
A12.1.1.1. Isochronal inspection concept								B	-	-
A12.1.1.2. Perform inspections TR: TO 00-20-1 and -5; 1E-3A-6WC-1 and -2; 1E-3A-6										
A12.1.1.2.1. Preflight	*							3c	-	-
A12.1.1.2.2. Alert Thruflight	*							3c	-	-
A12.1.1.2.3. Thruflight	*							3c	-	-
A12.1.1.2.4. Quick Turn	*							3c	-	-
A12.1.1.2.5. Basic postflight	*							3c	-	-
A12.1.1.2.6. Isochronal										
A12.1.1.2.6.1. Isochronal A								-	-	-
A12.1.1.2.6.2. Isochronal B								-	-	-
A12.1.1.2.7. Home Station Check								-	-	-
A12.1.1.2.8. Acceptance								-	-	-
A12.1.1.2.9. Calendar								-	-	-
A12.1.1.2.10. Special								-	-	-
A12.1.1.2.11. Time change item								-	-	-
A12.1.2. Aircraft communications equipment TR: TO 1E-3A-2-1-1										
A12.1.2.1. Operate VHF/UHF radios								-	-	-
A12.1.2.2. Use interphone	*							3c	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.1.3. Perform ground handling TR: AFI 11-218; TO 00-25-172, 1E-3A-1, 1E-3A-2-7, and 1E- 3A-6WC-1											
A12.1.3.1. Launch aircraft	*							3c	-	-	-
A12.1.3.2. Recover aircraft	*							3c	-	-	-
A12.1.3.3. Engines Running Crew Change								-	-	-	-
A12.1.3.3. Tow aircraft TR: TOs 1E-3A-2-7 ; 1E-3A-2-7-2CL-1; 36A10 series											
A12.1.3.3.1. Wing/tail walker	*							3c	-	-	-
A12.1.3.3.2. Brake operator	*							3c	-	-	-
A12.1.3.3.3. Tow team supervisor		*						-	-	-	-
A12.1.3.3.4. Tow vehicle operator								-	-	-	-
A12.1.3.4. Jack and level aircraft TR: TOs 1E-3A-2-7 ; 1E-3A-2-7-1CL-1											
A12.1.3.4.1. Jacking team member								-	-	-	-
A12.1.3.4.2. Jacking supervisor								-	-	-	-
A12.1.3.5. Axle jacking	*							3c	-	-	-
A12.1.4. Assist in weight and balance functions TR: TO 1E-3A-5-1 and -2; 1-1B-40 and -50								-	-	-	-
*A12.2. AIRFRAME SYSTEMS TR: TOs 1E-3A-2-7 and 1E-3A-3-1											
A12.2.1. Airframe components and structure								A	-	-	-
A12.2.2. Operate TR: TOs 1E-3A-1 and -2-32-1											
A12.2.2.1. Entry door/hatch	*							3c	-	-	-
A12.2.2.2. Emergency door/hatch	*							3c	-	-	-
A12.2.2.3. Wheel well doors	*							3c	-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.2.3. Remove and install TR: TOs 1E-3A-2-7; 1E-3A-3-1 and 1E-3A-23											
A12.2.3.1. Cowling	*								3c	-	-
A12.2.3.2. Panels	*								3c	-	-
A12.2.3.3. Nonexplosive seats									3c	-	-
A12.2.3.4. Windows									-	-	-
A12.2.3.5. Life rafts									3c	-	-
A12.2.5. Open and close TR: TO 1E-3A-2-7											
A12.2.5.1. Cowling	*								3c	-	-
A12.2.5.2. Radomes	*								-	-	-
A12.2.6. Inspect airframe and components TR: TO 1E-3A-6; 1E-3A-3-1, 1E-3A-36, and applicable -2 TOs									-	-	-
A12.2.7. Perform aircraft cold weather procedures TR: TO 1E-3A-2-7									-	-	-
A12.2.8. Inspect crew/passenger comfort facilities TR: TO 1E-3A-6	*								3c	-	-
A12.2.9. Service crew/passenger comfort facilities TR: TOs 1E-3A-6; 1E-3A-2-7; 1E-3A-3-1 and 1E-3A-23	*								3c	-	-
*A12.3. LANDING GEAR SYSTEMS TR: TO 1E-3A-2-32-1											
A12.3.1. Landing gear components and system operation									A	-	-
A12.3.2. Perform operational check TR: TO 1E-3A-2-32-1											
A12.3.2.1. Landing gear									-	-	-
A12.3.2.2. Brakes	*								3c	-	-
A12.3.2.3. Steering system									-	-	-
A12.3.2.4. Anti skid									-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.3.3. Service TR: TOs 1E-3A-2-32-1; 1E-3A-2-7 and 4T-1-3											
A12.3.3.1. Landing gear struts	*								3c	-	-
A12.3.3.2. Tires	*								3c	-	-
A12.3.4. Lubricate landing gear components									-	-	-
A12.3.5. Remove and install TR: TOs 1E-3A-2-32-1, 1E-3A-2-7											
A12.3.5.1. Wheel and tire assemblies	*								3c	-	-
A12.3.5.2. Brake assemblies	*								2b	-	-
A12.3.6. Bleed brake system	*								2b	-	-
A12.3.7. Determine serviceability of aircraft tires TR: TO 4T-1-3	*								3c	-	-
A12.3.8. Inspect landing gear system TR: TO 1E-3A-6, 1E-3A-3-1, 1E-3A-36, and 1E-3A-2-32-1	*								3c	-	-
A12.3.9. Troubleshoot TR: TO 1E-3A-2-32-1									-	-	-
*A12.4. UTILITY SYSTEMS TR: TOs 1E-3A-2-7, 1E-3A-2-21-1, and 1E-3A-2-24-1											
A12.4.1. Utility components and system operation									A	-	-
A12.4.2. Perform operational check TR: TOs 1E-3A-2-7, 1E-3A-2-21-1, 1E-3A-2-24-1, 1E-3A-2-31-1, 1E-3A-2-71-1											
A12.4.2.1. Bleed air system									-	-	-
A12.4.2.2. Air conditioning system	*								3c	-	-
A12.4.2.3. Pressurization system									-	-	-
A12.4.2.4. Anti-ice/de-ice system									-	-	-
A12.4.2.5. Rain removal/Wiper system									-	-	-
A12.4.2.6. Fire/overheat warning system									-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.4.2.7. Fire extinguishing system								-	-	-	-
A12.4.2.8. Oxygen system								-	-	-	-
A12.4.3. Oxygen system TR: TO 00-25-172; 1E-3A-2-7											
A12.4.3.1. Service	*							3c	-	-	-
A12.4.3.2. Drain	*							-	-	-	-
A12.4.4. Inspect TR: TO 1E-3A-6, 1E-3A-2-7, 1E-3A-2-21-1, 1E-3A-2-31-1, 1E-3A-2-71-1											
A12.4.4.1. Bleed air system	*							3c	-	-	-
A12.4.4.2. Air conditioning system	*							3c	-	-	-
A12.4.4.3. Pressurization system	*							3c	-	-	-
A12.4.4.4. Anti-ice/de-ice system	*							3c	-	-	-
A12.4.4.5. Rain removal system	*							3c	-	-	-
A12.4.4.6. Fire/overheat warning system	*							3c	-	-	-
A12.4.4.7. Fire extinguishing system	*							3c	-	-	-
A12.4.4.8. Oxygen system	*							3c	-	-	-
A12.4.5. Troubleshoot Utility Systems								-	-	-	-
A12.4.6. Operate forced air cooling system	*							2b	-	-	-
*A12.5. FLIGHT CONTROL SYSTEM TR: TOs 1E-3A-2-7, 1E-3A-2-27-1, 1E-3A-3-1; 1E-3A-6, -23 and -36											
A12.5.1. Flight control components and system operation								A	-	-	-
A12.5.2. Operate flight controls	*							3c	-	-	-
A12.5.3. Perform operational check of flight controls								2b	-	-	-
A12.5.4. Remove and install flight control components								-	-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
		5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
				Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.5.5.	Inspect flight controls TR: TO 1E-3A-6	*							3c	-	-	-
A12.5.6.	Lubricate flight controls								-	-	-	-
A12.5.7.	Rig flight controls								-	-	-	-
A12.5.8.	Troubleshoot								-	-	-	-
*A12.6.	HYDRAULIC SYSTEMS TR: TOs 1E-3A-2-1-1, 1E-3A-2-7, 1E-3A-2-29-1, and 1E-3A-6											
A12.6.1.	Hydraulic components and system operation								A	-	-	-
A12.6.2.	Operation principle of rotodome system								B	-	-	-
A12.6.3.	Hydraulic system											
A12.6.3.1.	Service Reservoir	*							3c	-	-	-
A12.6.3.2.	Service Accumulator	*							3c	-	-	-
A12.6.3.3.	Inspect major components TR: TO 1E-3A-6	*							3c	-	-	-
A12.6.3.4.	Operate											
A12.6.3.4.1.	Engine driven pump								-	-	-	-
A12.6.3.4.2.	Non-engine driven pump	*							3c	-	-	-
A12.6.3.4.3.	Rotodome	*							-	-	-	-
A12.6.5.	Troubleshoot								-	-	-	-
*A12.7.	ENGINES TR: TOs 1E-3A-2-7, 1E-3A-2-71-1, 1E-3A-2-71-1CL-1, 1E-3A-2-71-1, 1E-3A-6, 2J-TF33-46, and 2G-GTCP165-16											
A12.7.1.	Engine and auxiliary power unit (APU) components and system operation								A	-	-	-
A12.7.2.	Perform											
A12.7.2.1.	Engine operational check								-	-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.7.2.2. Engine trim								-	-	-	-
A12.7.3. Operate TR: AFOSH Standard 127-66											
A12.7.3.1. Engine and subsystems	*							-	-	-	-
A12.7.3.2. Auxiliary power units	*							3c	-	-	-
A12.7.4. Service	*										
A12.7.4.1. Oil system	*							3c	-	-	-
A12.7.4.2. Gearbox	*							-	-	-	-
A12.7.4.3. Auxiliary power unit	*							3c	-	-	-
A12.7.5. Remove and install starter	*							2b	-	-	-
A12.7.6. Take engine oil sample TR: TOs 42B2-1-9, 33-1-37	*							3c	-	-	-
A12.7.7. Inspect installed engine TR: TO 1E-3A-6											
A12.7.7.1. Turbine	*							3c	-	-	-
A12.7.7.2. Compressor	*							3c	-	-	-
A12.7.8. Inspect auxiliary power unit (APU) TR: TO 1E-3A-6	*							3c	-	-	-
A12.7.9. Troubleshoot								-	-	-	-
*A12.8. AIRCRAFT FUEL SYSTEMS TR: Applicable AFOSH Stds; TOs 00-25-172, 1E-3A-2-28-1, 1E-3A-2-7											
A12.8.1. Fuel components and system operation								A	-	-	-
A12.8.2. Perform operational check of fuel system								-	-	-	-
A12.8.3. Refuel aircraft TR: TOs 1E-3A-2-7, 1E-3A-2-7-5CL-1, 1E-3A-5-2											
A12.8.3.1. Team member	*							3c	-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT						4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.8.3.2. Team panel operator	*	*						3c	-	-	-
A12.8.3.3. Team supervisor		*						-	-	-	-
A12.8.4. Defuel aircraft TR: TOs 1E-3A-2-7, 1E-3A-2-7-5CL-1, 1E-3A-5-2											
A12.8.4.1. Team member	*							3c	-	-	-
A12.8.4.2. Team panel operator	*							3c	-	-	-
A12.8.4.3. Team supervisor		*						-	-	-	-
A12.8.5. Prepare aircraft for fuel cell maintenance TR: TOs 1-1-3, 1E-3A-2-28-1								-	-	-	-
A12.8.6. Inspect fuel system TR: TOs 1-1-3; 1E-3A-6, -23, -36; and 1E-3A-2-28-1	*							3c	-	-	-
A12.8.7. In-flight refueling (IFR) system TR: TOs 1-1-3; 1E-3A-2-7, 1E-3A-3-1, 1E-3A-6,-36; and 1E-3A-2-28-1											
A12.8.7.1. Perform operational check								2b	-	-	-
A12.8.7.2. Inspect IFR TR: TO 1E-3A-6	*							3c	-	-	-
A12.8.8. Ground transfer fuel	*							3c	-	-	-
*A12.9. ELECTRICAL SYSTEMS TR: TOs 1E-3A-2-1-1, 1E-3A-2-7, 1E-3A-2-24-1, 1E-3A-6, 1E-3A-2-110-1, 1-1A-14											
A12.9.1. Electrical components and system operation								A	-	-	-
A12.9.2. Perform operational check with external power unit/APU											
A12.9.2.1. Electrical power supply system	*							3c	-	-	-
A12.9.2.2. Lighting system	*							3c	-	-	-
A12.9.2.3. Indicator warning lights	*							3c	-	-	-
A12.9.3. Remove and install											

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.9.3.1. Light lenses	*							2b	-	-	-
A12.9.3.2. Light bulbs	*							2b	-	-	-
A12.9.3.3. Batteries	*							3c	-	-	-
A12.9.4. Use wiring diagrams								-	-	-	-
A12.9.5. Inspect											
A12.9.5.1. Components	*							3c	-	-	-
A12.9.5.2. Wiring and connectors	*							3c	-	-	-
A12.9.6. Connect/apply/disconnect external electrical power	*							3c	-	-	-
A12.9.7. Service integrated drive generator TR: TO 1E-3A-2-7, 1E-3A-2-71-1	*							3c	-	-	-
*A12.10. EGRESS SYSTEM TR: TOs 1E-3A-2-7, 1E-3A-6											
A12.10.1. Egress components and system operation								A	-	-	-
A12.10.2. Inspect evacuation slides	*							3c	-	-	-
A12.10.3. Remove and install evacuation slide	*							3c	-	-	-
*A12.11. AEROSPACE GROUND EQUIPMENT											
A12.11.1. Inspect and operate liquid coolant system (LCS) TR: TO 35D29 Series	*							3c	-	-	-
A12.11.2. Inspect and operate ACE 802-392S Air Conditioning unit TR: TO 35E9 Series	*							3c	-	-	-
A12.11.3. Inspect and operate maintenance stands TR: AFOSH Std 91-66, 127-100 TOs 35A4 Series	*							-	-	-	-
A12.11.4. Inspect and operate aircraft jacks TR: TO 35A2 Series	*							-	-	-	-

E-3 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A12.11.5. Inspect and operate MC-1A/MC2A air compressor TR: TO 34Y1 Series								-	-	-	-
A12.11.6. Inspect and operate H-1 heater TR: TO 35E7 Series								-	-	-	-
A12.11.7. Inspect and operate Electrical generator sets TR: TO 35C2 Series	*							-	-	-	-
A12.11.8. Inspect and operate NF-2 portable lighting equipment TR: TO 35F5 Series								-	-	-	-
A12.11.9. Inspect and operate AM32A-95 gas turbine compressor TR: TO 35D12 Series	*							-	-	-	-
A12.11.10. Inspect and operate LN-2 liquid nitrogen cart TR: TO 35D3 Series								-	-	-	-
A12.11.11. Inspect and operate liquid oxygen servicing cart TR: TO 15X-1-1, 37C2 Series								-	-	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
NOTE: This attachment is used in conjunction with Attachment 2.										
*A13.1. AIRCRAFT GENERAL										
A13.1.1. Inspection concept and inspection TR: TOs 00-20-5, 1C-10(K)A-6, 1E-4B-6										
A13.1.1.1. C-Check Inspection								A	-	-
A13.1.1.2. Perform inspections										
A13.1.1.2.1. Preflight	*							2b	-	-
A13.1.1.2.2. Thruflight	*							2b	-	-
A13.1.1.2.3. Basic postflight	*							2b	-	-
A13.1.1.2.4 Park and receive	*							2b	-	-
A13.1.1.2.5. Preflight/postflight (PRPO)								-	-	-
A13.1.1.2.6. "A" check								b	-	-
A13.1.1.2.7. Acceptance								-	-	-
A13.1.1.2.8. Calendar								-	-	-
A13.1.1.2.9. Special								-	-	-
A13.1.1.2.10. Time change item								-	-	-
A13.1.2. Air Transport Association (ATA) TOs TR: Applicable KC-10 , E-4B TOs										
A13.1.2.1 ATA TO System								B	-	-
A13.1.2.2. Use ATA TOs								2b	-	-
A13.1.2.3. Service bulletins and air worthiness directives								A	-	-
A13.1.3. Aircraft communications equipment TR: Applicable -2 TOs										
A13.1.3.1. Operate radio								-	-	-
A13.1.3.2. Use interphone	*							2b	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A13.1.4. Perform ground handling TR: AFI 11-218; AFOSH Std 127-100; TO 00-25-172, Applicable -2 TOs											
A13.1.4.1. Launch aircraft	*							b	-	-	-
A13.1.4.2. Recover aircraft	*							b	-	-	-
A13.1.4.3. Tow aircraft											
A13.1.4.3.1. Wing/tail walker	*							2b	-	-	-
A13.1.4.3.2. Brake operator	*							2b	-	-	-
A13.1.4.3.3. Tow team supervisor		*						-	-	-	-
A13.1.4.3.4. Tow vehicle operator								-	-	-	-
A13.1.4.4. Jack and level aircraft											
A13.1.4.4.1. Jacking team member								A	-	-	-
A13.1.4.4.2. Jacking supervisor								-	-	-	-
A13.1.4.5. Axle jacking	*							2b	-	-	-
A13.1.5. Assist in weight and balance functions TR: TOs 1C-10(K)A-5, 1E-4B-5								-	-	-	-
A13.1.6. Cargo winch											
A13.1.6.1. Remove and install								-	-	-	-
A13.1.6.2. Service and repair								-	-	-	-
A13.1.6.3. Operate								-	-	-	-
A13.1.7. Remove/install/repair											
A13.1.7.1. Cargo rollers								-	-	-	-
A13.1.7.2. Cargo rails								-	-	-	-
A13.1.7.3. Restraint locks								-	-	-	-
A13.1.8. Troubleshoot/adjust rails								-	-	-	-
A13.1.9. Configure/reconfigure aircraft											
A13.1.9.1. Rolling stock/palletized cargo								-	-	-	-
A13.1.9.2. Passenger/personnel								-	-	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A13.1.9.3. Distinguished visitor (DV)								-	-	-	-
A13.1.9.4. Maintain/store configuration/-21 equipment								-	-	-	-
*A13.2. AIRFRAME SYSTEMS TR: Applicable -2 TOs											
A13.2.1. Airframe components and structure								A	-	-	-
A13.2.2. Operate											
A13.2.2.1. Entry door/hatch	*							2b	-	-	-
A13.2.2.2. Cargo door	*							2b	-	-	-
A13.2.2.3. Wheel well doors	*							2b	-	-	-
A13.2.3. Remove and Install											
A13.2.3.1. Panels								2b	-	-	-
A13.2.3.2. Nonexplosive seats								-	-	-	-
A13.2.3.3. Windows								-	-	-	-
A13.2.3.4. Life rafts/slides								-	-	-	-
A13.2.3.5. Radome								-	-	-	-
A13.2.4. Open and Close											
A13.2.4.1. Cowling	*							2b	-	-	-
A13.2.4.2. Radome								-	-	-	-
A13.2.5. Perform aircraft cold weather procedures								-	-	-	-
A13.2.6. Service crew/passenger comfort facilities	*							2b/b	-	-	-
*A13.3. LANDING GEAR SYSTEMS TR: Applicable -2 TOs											
A13.3.1. Theory of landing gear components and system operation								A	-	-	-
A13.3.2. Perform operational check											
A13.3.2.1. Landing gear								-	-	-	-
A13.3.2.2. Brakes	*							2b	-	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A13.3.2.3. Steering system								-	-	-	-
A13.3.2.4. Anti skid								-	-	-	-
A13.3.4. Service											
A13.3.4.1. Landing gear struts	*							2b	-	-	-
A13.3.4.2. Tires	*							2b	-	-	-
A13.3.5. Lubricate landing gear components								-	-	-	-
A13.3.6. Remove and Install											
A13.3.6.1. Wheel and tire assemblies	*							2b	-	-	-
A13.3.6.2. Brake assemblies	*							2b	-	-	-
A13.3.7. Bleed brakes system								b	-	-	-
A13.3.8. Determine serviceability of aircraft tires TR: TO 4T-1-3, Applicable-2 TOs	*							2b	-	-	-
A13.3.9. Inspect landing gear system TR: TOs 1C-10(K)A-6, 1E-4B-6								2b	-	-	-
A13.3.10. Troubleshooting								-	-	-	-
*A13.4. UTILITY SYSTEMS TR: Applicable -2 TOs											
A13.4.1. Utility components and system operation								A	-	-	-
A13.4.2. Perform operational check											
A13.4.2.1. Bleed air system								-	-	-	-
A13.4.2.2. Air conditioning system								-	-	-	-
A13.4.2.3. Pressurization system								-	-	-	-
A13.4.2.4. Anti-ice/de-ice system								-	-	-	-
A13.4.2.5. Rain removal system								-	-	-	-
A13.4.2.6. Fire warning system	*							2b	-	-	-
A13.4.2.7. Fire extinguishing system								-	-	-	-
A13.4.2.8. Oxygen system	*							2b	-	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
A13.4.3. Oxygen system TR: TO 00-25-172, Applicable -2 TOs										
A13.4.3.1. Service	*							2b	-	-
A13.4.3.2. Drain	*							2b	-	-
A13.4.4. Inspect TR: TOs 1C-10(K)A-6, 1E-4B-6										
A13.4.4.1. Bleed air system								-	-	-
A13.4.4.2. Air conditioning system								-	-	-
A13.4.4.3. Pressurization system								-	-	-
A13.4.4.4. Anti-ice/de-ice system								-	-	-
A13.4.4.5. Rain removal system								2b	-	-
A13.4.4.6. Fire warning system								2b	-	-
A13.4.4.7. Fire extinguishing system								-	-	-
A13.4.4.8. Oxygen system								2b	-	-
A13.4.5. Troubleshoot Utility Systems										
*A13.5. FLIGHT CONTROL SYSTEMS TR: Applicable -2 TOs										
A13.5.1. Flight control components and system operation								A	-	-
A13.5.2. Operate flight controls	*							2b	-	-
A13.5.3. Remove flight control components								-	-	-
A13.5.4. Install flight control components								-	-	-
A13.5.5. Inspect flight controls TR: TOs 1C-10(K)A-6, 1E-4B-6								2b	-	-
A13.5.6. Lubricate flight controls								-	-	-
A13.5.7. Rig flight controls								-	-	-
A13.5.8. Troubleshoot								-	-	-
*A13.6. HYDRAULIC SYSTEMS TR: Applicable -2 TOs										

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A13.6.1. Hydraulic components and system operation								A	-	-	-
A13.6.2. Service											
A13.6.2.1. Reservoir	*							2b	-	-	-
A13.6.2.2. Accumulator	*							2b	-	-	-
A13.6.3. Inspect major components TR: TOs 1C-10(K)A-6, 1E-4B-6								2b	-	-	-
A13.6.4. Operate											
A13.6.4.1. Engine driven pump								-	-	-	-
A13.6.4.2. Non-engine driven pump	*							2b	-	-	-
A13.6.5. Troubleshoot								-	-	-	-
*A13.7. ENGINES TR: Applicable -2 TOs											
A13.7.1. Engine and auxiliary power unit (APU) components and system operation								A	-	-	-
A13.7.2. Perform											
A13.7.2.1. Engine operational check								-	-	-	-
A13.7.2.2. Engine trim								-	-	-	-
A13.7.3. Operate TR: AFOSH Std 127-100											
A13.7.3.1. Engine and subsystems								-	-	-	-
A13.7.3.2. Auxiliary power units	*							2b	-	-	-
A13.7.4. Service											
A13.7.4.1. Oil system	*							2b	-	-	-
A13.7.4.2. Constant speed drive/ integrated drive gearbox	*							2b	-	-	-
A13.7.4.3. Auxiliary power units	*							2b	-	-	-
A13.7.5. Remove and Install											
A13.7.5.1. Engine Starter								-	-	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A13.7.5.2. Minor components								-	-	-	-
A13.7.5.3. APU Starter	*							b	-	-	-
A13.7.6. Take engine oil sample	*							2b	-	-	-
A13.7.7. Inspect installed engine TR: TOs 1C-10(K)A-6, 1E-4B-6											
A13.7.7.1. Exhaust								2b	-	-	-
A13.7.7.2. Inlet		*						2b	-	-	-
A13.7.8. Blend compressor blades (KC-10 Only)		*						b	-	-	-
A13.7.9. Troubleshoot								-	-	-	-
A13.7.10. Inspect auxiliary power unit								2b	-	-	-
*A13.8. AIRCRAFT FUEL SYSTEMS TR: Applicable AFOSH Stds; TO 00-25-172, Applicable -2 TOs											
A13.8.1. Fuel components and system operation								A	-	-	-
A13.8.2. Operate fuel system								2b	-	-	-
A13.8.3. Refuel aircraft											
A13.8.3.1. Team member	*							2b	-	-	-
A13.8.3.2. Team panel operator	*							2b	-	-	-
A13.8.3.3. Team supervisor		*						-	-	-	-
A13.8.4. Defuel aircraft											
A13.8.4.1. Team member	*							2b	-	-	-
A13.8.4.2. Team panel operator	*							2b	-	-	-
A13.8.4.3. Team supervisor								-	-	-	-
A13.8.5. Prepare aircraft for fuel cell maintenance TR: TO 1-1-3, Applicable -2 TOs								-	-	-	-
A13.8.6. Inspect fuel system TR: TOs 1C-10(K)A-6, 1E-4B-6								2b	-	-	-
A13.8.7. In-flight refueling (IFR) system											

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A13.8.7.1. Inspect TR: TOs 1C-10(K)A-6, 1E-4B-6								2b	-	-	-
A13.8.7.2. Operate								2b	-	-	-
A13.8.8. Receiver system											
A13.8.8.1. Inspect								2b	-	-	-
A13.8.8.2. Operate								2b	-	-	-
A13.8.9. Ground transfer fuel	*							2b	-	-	-
A13.8.10. Troubleshoot								-	-	-	-
*A13.9. ELECTRICAL SYSTEMS TR: Applicable -2 TOs											
A13.9.1. Electrical components and system operation								A	-	-	-
A13.9.2. Perform operational check with external power unit/APU											
A13.9.2.1. Electrical power supply system								2b	-	-	-
A13.9.2.2. Lighting system								2b	-	-	-
A13.9.2.3. Indicator warning lights								2b	-	-	-
A13.9.3. Remove and Install											
A13.9.3.1. Light lenses	*							2b	-	-	-
A13.9.3.2. Light bulbs	*							2b	-	-	-
A13.9.3.3. Batteries	*							2b	-	-	-
A13.9.4. Use wiring diagrams								-	-	-	-
A13.9.5. Inspect TR: TOs 1C-10(K)A-6, 1E-4B-6											
A13.9.5.1. Components								2b	-	-	-
A13.9.5.2. Wiring and connectors								2b	-	-	-
A13.9.6. Connect/apply/disconnect external electrical power	*							2b	-	-	-
A13.9.8. Troubleshoot								-	-	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course
*A13.10. EGRESS SYSTEM TR: Applicable -2 TOs										
A13.10.1. Components								A	-	-
A13.10.2. Inspect TR: TOs 1C-10(K)A-6, 1E-4B-6								2b	-	-
A13.10.3. Operate System (excluding slide)								b	-	-
*A13.11. AEROSPACE GROUND EQUIPMENT TR: AFOSH Std 127-100										
A13.11.1. Inspect and operate gaseous oxygen servicing equipment TR: TOs 15X1-1, 37C2-8								2b	-	-
A13.11.2. Inspect and operate gaseous nitrogen servicing equipment TR: TO 35D3 Series								2b	-	-
A13.11.3. Inspect and operate liquid nitrogen cart TR: TO 35D3 Series								2b	-	-
A13.11.4. Inspect and operate oil servicing carts TR: TO 35A17 Series								2b	-	-
A13.11.5. Inspect and operate hydraulic servicing carts TR: TO 35D29 Series								2b	-	-

KC-10/E-4 QUALITATIVE REQUIREMENTS

STS 2A5X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)		
	5	7	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals residence course conducted at Sheppard AFB, TX. Column 2 identifies training given in the B-1B Familiarization Course also conducted at Sheppard AFB. Column 3 identifies the qualitative requirements (see attachment 4) needed to acquire an apprentice skill level. This training is conducted by a local training detachment. Column 4 lists the requirements identified at the career field Utilization and Training Workshop, Jul 96, for the proposed Mission Ready Technician (MRT) training program.

NOTE 2: Some task knowledge items listed in the Training Level column will be accomplished by using the Simulated Maintenance Trainer System (SMTS).

<u>Weapons System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001	HQJ
B-1B/B-2	J3AQR2A531E 001/002	736/738

2A531E STS MATRIX (B-1B)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-	-
A2.3.6.3.	Hazard communication training program	B	-	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-	-
A2.4.3.	Use technical publications	2b	-	-	-
A2.4.4.	TO improvement reporting	A	-	-	-
A2.7.1.	Basic functions within maintenance	A	-	-	-
A2.7.2.	Maintenance data collection	A	-	-	-
A2.7.6.	Quality Air Force	A	-	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-	-
A2.9.4.1.	Purpose of hardware	A	-	-	-
A2.9.4.2.	Use hardware	2b	-	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-	-
A2.9.6.2.	Use securing devices	2b	-	-	-
A2.9.7.	Aircraft lubricants	A	-	-	-

2A531E STS MATRIX (B-1B)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
A2.9.8.	Aircraft sealants	A	-	-	-
A2.9.9.	Aircraft adhesives	A	-	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-	-
A2.9.11.1.	Select hand tools	2b	-	-	-
A2.9.11.2.	Use hand tools	2b	-	-	-
A2.9.12.1.	Select measuring tools	2b	-	-	-
A2.9.12.2.	Use measuring tools	2b	-	-	-
A2.9.13.	Use multimeter	1b	-	-	-
A2.9.14.1.	Select torque wrench	2b	-	-	-
A2.9.14.2	Use torque wrench	2b	-	-	-
A2.10.3.	Ordering parts	A	-	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-	-
A2.11.4.	Engine and support warranty	A	-	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-	-
A2.11.5.2.	Corrosion identification	A	-	-	-
A2.11.5.3.	Corrosion treatment	A	-	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-	-
A2.11.7.	Aircraft ground handling	A	-	-	-
A2.12.1.	Airframe structure	A	-	-	-
A2.12.2.	Remove/install airframe components	1b	-	-	-
A2.12.3.	Inspect airframe components	1b	-	-	-
A2.13.1.	Landing gear fundamentals	A	-	-	-
A2.13.2.1.	Service shock strut	1b	-	-	-
A2.13.2.2.	Service tire	1b	-	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-	-
A2.13.4.	Bleed brakes	1b	-	-	-
A2.13.5.	Inspect landing gear	1b	-	-	-
A2.14.1.	Utility system fundamentals	A	-	-	-
A2.14.6.1.	Operate oxygen system	1b	-	-	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-	-	-
A2.14.7.1.	Oxygen system	1b	-	-	-
A2.14.7.2.	Fire/overheat warning system	1b	-	-	-
A2.15.1.	Flight control system fundamentals	A	-	-	-
A2.15.2.	Operate flight controls	1b	-	-	-
A2.15.3.1.	Identification of flight control components	A	-	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-	-

2A531E STS MATRIX (B-1B)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
A2.16.1.	Hydraulic system fundamentals	A	-	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-	-
A2.16.3.1.	Remove/install hydraulic tubings/hoses	1b	-	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-	-
A2.17.1.	Engine system fundamentals	A	-	-	-
A2.17.2.1.	Identify engine components	1b	-	-	-
A2.17.2.2.	Inspect engine components	1b	-	-	-
A2.17.3.	Oil system servicing	a	-	-	-
A2.17.4.	Take JOAP sample	1b	-	-	-
A2.18.1.	Fuel system fundamentals	A	-	-	-
A2.18.2.	Operate fuel system	1b	-	-	-
A2.18.3.	Inspect fuel system	1b	-	-	-
A2.19.1.	Electrical system fundamentals	A	-	-	-
A2.19.2.3.	Operate Interior/exterior lighting system	1b	-	-	-
A2.19.2.4.	Operate Indicator warning lights	1b	-	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-	-
A2.19.4.	Inspect electrical system	1b	-	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-	-
A2.20.6.3.	Operate air compressors	2b	-	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-	-

2A531E STS MATRIX (B-1B)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
A2.20.8.3.	Operate generator sets	2b	-	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-	-
A3.1.1.1.	Periodic inspection concept	-	B	B	-
A3.1.1.2.1.	Perform preflight inspection	-	-	3c	3c
A3.1.1.2.2.	Perform thruflight inspection	-	-	3c	3c
A3.1.1.2.3.	Perform hourly postflight inspection	-	-	2b	-
A3.1.1.2.4.	Perform periodic inspection	-	A	A	-
A3.1.2.1.	OMMS TOs	-	B	B	-
A3.1.2.2.	Use OMMS TOs	-	2b	2b	3c
A3.1.3.2.	Use interphone	-	-	2b	3c
A3.1.4.1.	Launch aircraft	-	-	2b	3c
A3.1.4.2.	Recover aircraft	-	-	2b	3c
A3.1.4.3.1.	Wing/tail walker	-	-	2b	3c
A3.1.4.3.2.	Brake operator	-	-	2b	3c
A3.1.4.4.1.	Jacking team member	-	B	B	3c
A3.1.4.5.	Axle jacking	-	-	2b	3c
A3.1.6.	Safe aircraft for maintenance	-	1b	3c	3c
A3.1.7.	Hardness critical procedures	-	-	2b	-
A3.2.1.	Airframe components and structure	-	B	B	-
A3.2.2.	Operate entry door/hatch	-	-	2b	3c
A3.2.4.	Operate weapons bay door	-	b	b	3c
A3.2.7.	Operate aft hatches	-	B	B	-
A3.2.8.	Operate wheel well doors	-	-	2b	3c

2A531E STS MATRIX (B-1B)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
A3.2.9.2.	Remove/install panels	-	B	2b	3c
A3.2.10.1.	Open/close engine bay door	-	-	2b	3c
A3.2.10.2.	Open/close radomes	-	-	2b	-
A3.3.1.	Landing gear components and system operation	-	B	B	-
A3.3.3.1.	Operate brakes	-	-	2b	-
A3.3.4.1.1.	Service landing gear struts with nitrogen	-	B	2b	3c
A3.3.4.1.2.	Service landing gear struts with hydraulic fluid	-	-	2b	-
A3.3.4.2.1.	Service axle beam positioner with nitrogen	-	B	2b	3c
A3.3.4.2.2.	Service axle beam positioner with hydraulic fluid	-	-	2b	3c
A3.3.4.3.	Nose wheel steering gearbox	-	B	2b	3c
A3.3.4.4.	Service tires	-	-	2b	3c
A3.3.6.1.	Remove/install wheel and tire assemblies	-	-	2b	-
A3.4.1.	Utility components and system operation	-	B	B	-
A3.4.4.1.	Service oxygen system	-	B	2b	3c
A3.4.5.	Service environmental systems	-	B	2b	3c
A3.5.1.	Flight control components and system operation	-	B	B	-
A3.5.3.1.	Operate roll control	-	1b	2b	-
A3.5.3.2.	Operate pitch control	-	1b	2b	-
A3.5.3.3.	Operate yaw control	-	1b	2b	-
A3.5.3.4.	Operate flap/slat control	-	1b	2b	-
A3.6.1.	Hydraulic components and system operation	-	B	B	-
A3.6.2.1.1.	Service reservoir	-	B	2b	3c
A3.6.2.1.2.	Service accumulator	-	B	2b	3c
A3.6.2.2.1.	Apply hydraulic power using APU	-	1b	2b	3c
A3.6.2.2.2.	Apply hydraulic power using hydraulic test stand	-	-	-	3c
A3.6.3.	Perform hydraulic leak checks using engines	-	b	b	-
A3.6.5.	Reposition and torque line connections	-	-	-	3c
A3.7.1.	Engine and auxiliary power unit (APU) components and system operation	-	B	B	-
A3.7.3.2.	Operate auxiliary power units and subsystems	-	1b	2b	3c
A3.7.4.1.	Service oil system	-	B	2b	3c
A3.7.4.2.	Service integrated drive generator	-	B	2b	3c
A3.7.4.3.	Service accessory drive gearbox	-	B	2b	3c
A3.7.4.4.	Service auxiliary power units	-	B	2b	3c
A3.7.6.	Take engine oil sample	-	-	2b	3c
A3.7.7.	Perform engine leak checks	-	b	b	-
A3.8.1.	Fuel components and system operation	-	B	B	-
A3.8.2.1.	Refuel team member	-	1b	2b	3c
A3.8.2.2.1.	Refuel team panel operator auto	-	1b	2b	-
A3.8.2.2.2.	Refuel team panel operator manual	-	1b	2b	-
A3.8.3.1.	Defuel team member	-	1b	2b	3c

2A531E STS MATRIX (B-1B)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>Col 4</u>
A3.8.3.2.1.	Defuel team panel operator auto	-	1b	2b	-
A3.8.3.2.2.	Defuel team panel operator manual	-	1b	2b	-
A3.8.5.1.	Operate UARRSI door	-	1b	2b	-
A3.8.6.	Ground transfer fuel	-	1b	2b	-
A3.9.1.	Electrical components and system operation	-	B	B	-
A3.9.4.1.	Remove/install light lenses	-	-	2b	-
A3.9.4.2.	Remove/install light bulbs	-	-	2b	-
A3.9.4.3.	Remove/install batteries	-	-	2b	3c
A3.9.5.	Connect/Apply external electrical power	-	1b	2b	3c
A3.9.6.	Disconnect external electrical power	-	1b	2b	3c
A3.10.1.	Egress components and system operation	-	A	A	-
A3.10.2.	Operate seat adjustment	-	-	2b	3c
A3.10.3.	Remove/install safety pins	-	-	2b	3c
A3.11.1.	Inspect and operate gaseous oxygen servicing equipment	-	-	2b	3c
A3.11.2.	Inspect and operate generators	-	-	2b	3c
A3.11.3.	Inspect and operate hydraulic test stand	-	-	2b	3c
A3.11.4.	Inspect and operate air conditioning units	-	-	2b	3c
A3.11.5.	Inspect and operate gaseous nitrogen servicing equipment	-	-	2b	3c
A3.11.6.	Inspect and operate oil servicing carts	-	-	2b	3c
A3.11.8.	Inspect and operate mobile hydraulic oil dispenser	-	-	2b	3c
A3.12.1.	Central Integrated Test System (CITS) operation	-	B	B	-
A3.12.2.	Remove/install CITS magnetic tape	-	-	2b	3c
A3.12.3.	CITS printer tape load	-	-	2b	3c
A3.12.4.1.	Operate CITS parameter monitor mode	-	B	2b	3c
A3.12.4.2.	Operate CITS ground readiness test	-	1b	2b	3c

2A531E STS MATRIX (B-1B)

STS 2A5X1

STS ELEMENT

TASK

Col 1 Col 2 Col 3 Col 4

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals residence course conducted at Sheppard AFB, TX. Column 2 identifies training given in the B-1B/B-2 Familiarization Course also conducted at Sheppard AFB. Column 3 identifies the qualitative requirements (see attachment 6) needed to acquire an apprentice skill level. This training is conducted by a local training detachment.

NOTE 2: Some task knowledge items listed in the Training Level column will be accomplished by using the Simulated Maintenance Trainer System (SMTS).

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001 (Col 1)	HQJ
B-1B/B-2	J3AQR2A531E 001/002 (Col 2)	736/738

2A531E STS MATRIX (B-2)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-

2A531E STS MATRIX (B-2)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.2.1.	Operate oxygen system	1b	-	-
A2.14.2.2.	Operate fire/overheat warning system	1b	-	-
A2.14.3.1.	Oxygen system	1b	-	-
A2.14.3.2.	Fire/overheat warning system	1b	-	-
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-

2A531E STS MATRIX (B-2)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubings/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	-
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate Interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-
A2.20.6.3.	Operate air compressors	2b	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-

2A531E STS MATRIX (B-2)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.8.3.	Operate generator sets	2b	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A4.1.1.1.	Phased inspection concept	-	-	B
A4.1.1.2.1.1.	Perform preflight inspection work area #1	-	-	3c
A4.1.1.2.1.2.	Perform preflight inspection work area #2 and #3	-	-	3c
A4.1.1.2.1.3.	Perform preflight inspection work area #4	-	-	3c
A4.1.1.2.2.1.	Perform thruflight inspection part 2A	-	-	3c
A4.1.1.2.2.2.	Perform thruflight inspection part 2B	-	-	3c
A4.1.1.2.3.1.	Perform postflight inspection work area #1	-	-	2b
A4.1.1.2.3.2.	Perform postflight inspection work area #2 and #3	-	-	2b
A4.1.1.2.3.3.	Perform postflight inspection work area #4	-	-	2b
A4.1.2.1.	Organizational Maintenance Manual Set (OMMS) TOs	-	B	B
A4.1.2.2.	Use OMMS TOs	-	2b	2b
A4.1.3.1.	Integrated Technical Data System (ITDS) TOs concept	-	-	B
A4.1.3.2.1.	Use CAMS	-	-	2b
A4.1.3.2.2.	Use Technical data	-	-	2b
A4.1.4.2.	Use interphone	-	-	2b
A4.1.5.1.	Launch aircraft	-	-	2b
A4.1.5.2.	Recover aircraft	-	-	2b
A4.1.5.3.1.	Wing/tail walker	-	-	2b
A4.1.5.3.2.	Brake operator	-	-	2b
A4.1.5.5.1.	Jacking team member	-	B	B
A4.1.5.6.	Axle jacking	-	-	2b

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A4.1.8.	Remove and install proximity caps	-	-	2b
A4.1.10.	Safe aircraft for maintenance	-	1b	2b
A4.1.11.	Hardness critical procedures	-	-	b
A4.1.12.	Low observable awareness	-	-	B
A4.2.1.	Airframe components and construction	-	-	B
A4.2.2.1.	Operate crew entry door hydraulically/manually	-	-	2b
A4.2.2.2.	Operate aft nose landing gear door	-	-	2b
A4.2.2.3.	Operate aft equipment bay entry door	-	-	2b
A4.2.2.4.	Operate auxiliary air inlet door	-	-	2b
A4.2.2.5.	Operate APU exhaust doors	-	-	2b
A4.2.3.4.	Remove/install panels	-	-	2b
A4.2.3.7.	Passive Thermal Protection Systems (PTPS)	-	-	2b
A4.2.4.1.	Open/close crew entry pressure door	-	-	2b
A4.2.4.2.	Open/close engine/AMAD bay doors	-	-	2b
A4.2.4.3.	Open/close ECS/hydraulic bay doors	-	-	2b
A4.2.4.4.	Open/close wheel well blow out doors	-	-	2b
A4.2.5.	Inspect airframe and components	-	-	2b
A4.2.8.	Inspection aircraft windows	-	-	2b
A4.2.9.	Clean aircraft windows	-	-	2b
A4.3.1.	Landing gear components and system operation	-	-	B
A4.3.2.2.	Perform operational check of brakes	-	-	2b
A4.3.2.4.	Perform operational check of anti skid	-	-	2b
A4.3.3.1.	Service landing gear struts with nitrogen	-	-	2b
A4.3.3.2.	Service landing gear struts with hydraulic fluid	-	-	b
A4.3.3.3.	Service tires	-	-	2b
A4.3.4.	Lubricate landing gear components	-	-	2b
A4.3.5.1.	Remove/install wheel and tire assemblies	-	-	2b
A4.3.5.2.	Remove/install brake assemblies	-	-	2b
A4.3.5.3.	Remove/install brake equalizer rods	-	-	2b
A4.3.5.4.	Remove/install anti-skid magnetic drive unit	-	-	2b
A4.3.6.	Bleed brake systems	-	-	2b
A4.4.2.1.	Operate weapons bay doors manually	-	-	2b
A4.4.2.2.	Operate weapons bay doors electrically	-	-	2b
A4.4.2.3.	Operate weapons bay doors hydraulically	-	-	2b
A4.4.3.	Lubricate weapons system components	-	-	2b
A4.5.1.	Utility components and system operation	-	-	B
A4.5.2.	ECS power-up	-	-	2b
A4.5.3.9.	Operate On Board Maintenance Printer (OBMP)	-	-	2b
A4.5.3.10.	Remove/Install printer tape	-	-	2b

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A4.5.3.11.	Use OBTS Ground Processor (OGP) report for fault isolation of system malfunction	-	-	2b
A4.5.3.12.	Load/Unload maintenance write tapes	-	-	2b
A4.5.5.1.	Service Back-up Oxygen System (BOS)	-	-	2b
A4.5.6.1.	Service environmental system	-	-	2b
A4.5.6.2.	Service defense Management System (DMS)	-	-	2b
A4.5.6.3.	Service liquid Coolant System (LCS)	-	-	2b
A4.5.7.1.	Sample environmental system	-	-	2b
A4.5.7.2.	Sample defensive Management System (DMS)	-	-	2b
A4.5.7.3.	Sample liquid Coolant System (LCS)	-	-	2b
A4.6.1.	Flight control components and system operation	-	-	B
A4.6.4.	Remove/Install flight control components	-	-	2b
A4.6.5.	Inspect flight controls	-	-	2b
A4.6.6.	Lubricate flight controls	-	-	2b
A4.7.1.	Hydraulic components and system operation	-	-	B
A4.7.2.1.	Service hydraulic system reservoirs	-	-	2b
A4.7.2.2.	Service hydraulic system accumulators	-	-	2b
A4.7.5.	Remove/Install hydraulic components	-	-	2b
A4.7.6.	Take hydraulic samples	-	-	2b
A4.8.1.	Engine and Auxiliary Power Unit (APU) components and system operation	-	-	B
A4.8.4.1.	Service engine oil	-	-	2b
A4.8.4.2.	Service airframe Mounted Accessory Drive (AMAD) oil	-	-	2b
A4.8.4.3.	Service APU oil	-	-	2b
A4.8.4.4.	Service Pressurized Air Start System (PASS)	-	-	2b
A4.8.5.1.	Remove/install air turbine starter	-	-	2b
A4.8.5.2.	Remove/install starter control valves	-	-	2b
A4.8.5.3.	Remove/install AMAD	-	-	2b
A4.8.5.4.	Remove/install turbine driven recharge compressor	-	-	2b
A4.8.6.1.	Take oil samples from engines	-	-	2b
A4.8.6.2.	Take oil sample from AMAD	-	-	2b
A4.9.1.	Fuel components and system operation	-	-	B
A4.9.2.1.	Refuel team member	-	-	2b
A4.9.2.2.1.	Operate refuel ground control panel manual	-	-	2b
A4.9.2.2.2.	Operate refuel ground control panel auto	-	-	2b
A4.9.2.2.3.	Operate manual fuel control panel	-	-	2b
A4.9.3.	Filler neck refuel	-	-	2b
A4.9.4.1.	Defuel team member	-	-	2b
A4.9.4.2.1.	Operate ground control panel	-	-	2b
A4.9.4.2.2.	Operate manual fuel control panel	-	-	2b
A4.9.6.	Operate Air Refueling Receptacle Slipway Installation (ARRSI)	-	-	2b

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A4.9.7.	Ground transfer fuel	-	-	2b
A4.9.8.	Drain fuel tank sumps/obtain fuel samples	-	-	2b
A4.10.1.	Electrical components and system operation	-	-	B
A4.10.2.2.	Perform operational check of internal lighting system	-	-	2b
A4.10.2.3.	Perform operational check of external lighting system	-	-	2b
A4.10.2.4.	Perform operational check of indicator warning lights	-	-	2b
A4.10.3.1.	Operate internal lighting system	-	-	2b
A4.10.3.2.	Operate external lighting system	-	-	2b
A4.10.3.3.	Operate indicator warning lights	-	-	2b
A4.10.3.4.	Operate emergency lights	-	-	2b
A4.10.4.1.	Remove/install light lenses	-	-	2b
A4.10.4.2.	Remove/install light bulbs	-	-	2b
A4.10.4.3.	Remove/install batteries	-	-	2b
A4.10.6.	Connect/Apply external electrical power	-	-	2b
A4.10.7.	Disconnect external electrical power	-	-	2b
A4.11.1.	Egress components and system operation	-	A	B
A4.11.2.	Operate seat adjustment	-	-	2b
A4.11.3.	Remove/Install safety pins	-	-	2b
A4.12.1.	Inspect and Operate Gaseous oxygen servicing equipment	-	-	2b
A4.12.2.	Inspect and operate generators	-	-	2b
A4.12.3.	Inspect and operate hydraulic test stand	-	-	2b
A4.12.4.	Inspect and operate air conditioning units	-	-	2b
A4.12.5.	Inspect and operate gaseous nitrogen servicing equipment	-	-	2b
A4.12.6.	Inspect and operate oil servicing carts	-	-	2b

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals residence course conducted at Sheppard AFB, TX. Column 2 identifies training given in the B-52 Aerospace Maintenance Specialist course (see attachment 8) needed to acquire an apprentice skill level. This training is also conducted at Sheppard AFB. Columns 3 lists the requirements identified at the career field Utilization and Training Workshop, Jul 96, for the proposed Mission Ready Technician (MRT) training program.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001	HQJ
B-52	J3ABR2A531F 001	647

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.6.1.	Operate oxygen system	1b	-	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-	-
A2.14.7.1.	Oxygen system	1b	-	-
A2.14.7.2.	Fire/overheat warning system	1b	-	-
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	-
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-
A2.20.6.3.	Operate air compressors	2b	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.8.3.	Operate generator sets	2b	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A5.1.1.1.	Phase inspection concept	-	B	-
A5.1.1.2.1.	Perform preflight inspection	-	2b	3c
A5.1.1.2.2.	Perform thruflight inspection	-	2b	3c
A5.1.1.2.3.	Perform hourly postflight inspection	-	2b	3c
A5.1.2.1.	B-52 TOs	-	B	-
A5.1.2.2.	Use B-52 TOs	-	2b	3c
A5.1.2.3.2.	Use interphone	-	3c	-
A5.1.2.4.1.	Launch aircraft	-	2b	3c
A5.1.2.4.2.	Recover aircraft	-	2b	3c
A5.1.2.4.3.1.	Tow team member	-	B	-
A5.1.2.4.3.2.	Tow brake operator	-	2b	3c
A5.1.2.4.4.1.	Jacking team member	-	B	-
A5.1.2.4.5.	Axle jacking	-	2b	3c
A5.1.2.5.	Weight and balance functions	-	A	-
A5.2.1.	Airframe components and structure	-	A	-
A5.2.2.1.	Operate entry door/hatch	-	3c	-
A5.2.2.2.	Operate bomb bay door	-	B	-
A5.2.2.3.	Operate emergency doors/hatches	-	2b	3c
A5.2.3.1.	Remove/install cowling	-	2b/b	3c
A5.2.3.2.	Remove/install panels	-	2b	3c
A5.2.4.1.	Open/close cowling	-	2b/b	3c

2A531F STS MATRIX (B-52)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A5.2.4.2.	Open/close radomes	-	2b	3c
A5.2.5.	Serviceability of aircraft windows	-	A	-
A5.3.1.	Landing gear components and system operation	-	B	-
A5.3.2.2.	Operate brakes	-	2b	3c
A5.3.3.	M L G struts inflating/deflating	-	2b	3c
A5.3.4.	Tires inflating	-	2b	3c
A5.3.5.	Lubricate landing gear components	-	2b	3c
A5.3.6.1.	Remove/install wheel and tire assemblies	-	2b	3c
A5.3.6.2.	Remove/install brake assemblies	-	B	-
A5.3.7.	Bleed brakes system	-	B	-
A5.3.8.	Determine serviceability of aircraft tires	-	2b	3c
A5.4.1.	Utility components and system operation	-	A	-
A5.4.2.1.	Service oxygen system	-	2b	3c
A5.4.2.2.	Drain oxygen system	-	2b	3c
A5.5.1.	Flight control components and system operation	-	B	-
A5.5.2.	Operate flight controls	-	2b	3c
A5.5.5.	Rig flight controls	-	A	-
A5.6.1.	Hydraulic components and system operation	-	B	-
A5.6.2.1.1.	Service hydraulic reservoir	-	2b	3c
A5.6.2.1.2.	Service hydraulic accumulator	-	2b	3c
A5.6.2.1.3.	Drain hydraulic reservoir	-	-	3c
A5.6.2.1.4.	Partial drain hydraulic reservoir	-	2b	3c
A5.6.2.2.2.	Operate non-engine driven pump	-	2b	3c
A5.6.3.	Perform leakage check	-	2b	3c
A5.6.5.	Reposition and Torque line connections	-	2b	3c
A5.7.1.	Engine components and system operation	-	A	-
A5.7.5.1.	Service oil system	-	2b/b	3c
A5.7.2.	Service constant speed drive	-	2b/b	3c
A5.7.6.2.	Remove/install starter cartridge	-	2b/b	3c
A5.7.7.	Take engine oil sample	-	2b	3c
A5.7.8.	Perform leakage check	-	B	-
A5.7.9.	Motor Engines	-	B	-
A5.8.1.	Fuel components and system operation	-	A	-
A5.8.2.1.	Refuel team member (No fuel flow 3-level training)	-	2b	3c
A5.8.2.2.	Refuel Team panel operator (No fuel flow 3-level training)	-	2b	3c
A5.8.3.1.	Defuel team member (No fuel flow 3-level training)	-	2b	3c
A5.8.3.2.	Defuel team panel operator (No fuel flow 3-level training)	-	2b	3c
A5.8.4.	Filler neck refuel	-	B	-
A5.8.5.	Prepare aircraft for fuel cell maintenance	-	2b	3c
A5.8.8.6.	Drain aircraft for fuel cell maintenance	-	2b	3c

2A531F STS MATRIX (B-52)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A5.8.8.1.	Operate IFR doors	-	2b	3c
A5.8.9.	Ground transfer fuel	-	2b	3c
A5.9.1.	Electrical components and system operation	-	A	-
A5.9.2.1.	Operate lighting system	-	2b	3c
A5.9.2.2.	Operate indicator warning lights	-	2b/b	3c
A5.9.3.1.	Remove/install light lenses	-	2b	3c
A5.9.3.2.	Remove/install light bulbs	-	2b	3c
A5.9.3.3.	Remove/install batteries	-	2b/b	3c
A5.9.5.	Connect/Apply external electrical power	-	3c/b	-
A5.9.6.	Disconnect external electrical power	-	3c/b	-
A5.10.1.	Egress components and system operation	-	B	-
A5.10.2.	Operate seat adjustment	-	2b	3c
A5.10.3.	Remove/install safety pins	-	3c	-
A5.11.1.	Drag chute system components and system operation	-	B	-
A5.11.2.	Perform operational check	-	B	-
A5.11.3.	Adjust drag chute system	-	B	-
A5.11.4.	Remove/install chute assembly	-	2b	3c
A5.12.1.	Inspect and operate liquid oxygen servicing equipment	-	2b	3c
A5.12.3.	Inspect and operate oil servicing carts	-	2b	3c
A5.12.4.	Inspect and operate hydraulic servicing carts	-	2b	3c

2A531F STS MATRIX (B-52)

STS 2A5X1

STS ELEMENT

TASK

Col 1 Col 2 Col 3

NOTE 1: Column 1 of the following matrix identifies training received in the Aircraft Fundamentals residence course conducted at Sheppard AFB, TX. Column 2 identifies training received in the C-130 Mission Ready Technician (MRT) course also conducted at Sheppard AFB. Column 3 identifies training given on operational aircraft under flight line conditions in the second phase of the MRT course conducted at Little Rock AFB AR. After completing the three courses listed in columns 1, 2, and 3, the graduate is awarded AFSC 2A531B.

NOTE 2: All applicable safety requirements, inspection requirements, TOs/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout all phases of training to the level of the associated tasks.

NOTE 3: Due to the wide variety of C-130 aircraft, weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a training deficiency to be issued.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001 (Col 1)	HQJ
C-130 (Sheppard)	J3AQR2A531B 000 (Col 2)	YS3
C-130 (Little Rock)	J3ABP2A531B 000 (Col 3)	Y58

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.2.1.	Operate oxygen system	1b	-	-
A2.14.2.2.	Operate fire/overheat warning system	1b	-	-
A2.14.3.1.	Oxygen system	1b	-	-
A2.14.3.2.	Fire/overheat warning system	1b	-	-
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-

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<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>STS 2A5X1</u>
A2.16.1.	Hydraulic system fundamentals	A	-	-	
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-	
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-	
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-	
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-	
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-	
A2.16.4.	Inspect hydraulic system	1b	-	-	
A2.17.1.	Engine system fundamentals	A	-	-	
A2.17.2.1.	Identify engine components	1b	-	-	
A2.17.2.2.	Inspect engine components	1b	-	-	
A2.17.3.	Oil system servicing	a	-	-	
A2.17.4.	Take JOAP sample	1b	-	-	
A2.18.1.	Fuel system fundamentals	A	-	-	
A2.18.2.	Operate fuel system	1b	-	-	
A2.18.3.	Inspect fuel system	1b	-	-	
A2.19.1.	Electrical system fundamentals	A	-	-	
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-	
A2.19.2.4.	Operate indicator warning lights	1b	-	-	
A2.19.3.	Remove/install electrical and lighting components	1b	-	-	
A2.19.4.	Inspect electrical system	1b	-	-	
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-	
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-	
A2.20.1.3.	Operate maintenance stands	2b	-	-	
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-	
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-	
A2.20.3.3.	Operate aircraft jacks	2b	-	-	
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-	
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-	
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-	
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-	
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-	
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-	
A2.20.6.1.	Purpose and description of air compressors	A	-	-	
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-	
A2.20.6.3.	Operate air compressors	2b	-	-	
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-	
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-	
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-	
A2.20.8.1.	Purpose and description of generator sets	A	-	-	
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-	

2A531B STS MATRIX (C-130)

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>STS 2A5X1</u>
A2.20.8.3.	Operate generator sets	2b	-	-	
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-	
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-	
A2.20.9.3.	Operate lighting equipment	2b	-	-	
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-	
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-	
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-	
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-	
A2.20.12.3.	Operate gas turbine compressors	2b	-	-	
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-	
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-	
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-	
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-	
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-	
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-	
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-	
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-	
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-	
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-	
A6.1.1.1.	Safety precautions pertaining to high intensity sound	-	B	-	
A6.1.1.2.	Safety precautions pertaining to ground handling of aircraft	-	B	-	
A6.1.1.3.	Safety precautions pertaining to aircraft containing ammunition/explosives	-	B	-	
A6.1.2.	Foreign object damage prevention	-	B	-	
A6.1.3.	Use standard and technical publications	-	3c	-	
A6.1.5.	Use Maintenance data collection forms	-	3c	-	
A6.1.6.1.	Using CAMS 380 Screen	-	3c	-	
A6.1.6.2.	Using CAMS 122 Screen	-	3c	-	
A6.1.6.3.	Using CAMS 593 Screen	-	3c	-	
A6.1.6.4.	Using CAMS 53 Screen	-	3c	-	
A6.1.6.5.	Using CAMS 54 Screen	-	3c	-	
A6.1.6.6.	Using CAMS 37 Screen	-	3c	-	
A6.1.6.7.1.	Ordering parts thru Cams	-	2c	3c	
A6.1.6.7.2.	Ordering parts on AF Form 2005	-	3c	-	
A6.1.7.	Maintain AFTO 781 Series	-	3c	-	
A6.1.9.	Corrosion identification	-	B	-	
A6.1.10.1.	Isochronal inspection concept	-	B	-	
A6.1.10.2.1.	Perform preflight inspection	-	2c	3c	
A6.1.10.2.2.	Perform thruflight inspection	-	2c	3c	
A6.1.10.2.3.	Perform basic postflight inspection	-	2c	3c	
A6.1.10.2.4.	Perform combination preflight/postflight inspection	-	2c	3c	

2A531B STS MATRIX (C-130)

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A6.1.10.3.	Aircraft inspection principles	-	B	-
A6.1.11.1.1.	Operate UHF radio	-	2c	3c
A6.1.11.1.2.	Operate VHF radio (SCNS)	-	b	2b
A6.1.11.2.	Use interphone	-	3c	-
A6.1.12.1.	Launch aircraft	-	2c	3c
A6.1.12.2.	Recover aircraft	-	2c	3c
A6.1.12.3.	Aircraft tow procedures	-	B	-
A6.1.12.4.1.	Prepare aircraft for tow	-	3c	-
A6.1.12.4.2.	Wing/tail walker	-	2c	3c
A6.1.12.4.3.	Brake operator	-	2c	3c
A6.1.12.4.4.	Hand pump operator	-	2c	3c
A6.1.12.4.5.	Tow team supervisor	-	B	-
A6.1.12.4.6.	Tow vehicle operator	-	B	-
A6.1.12.5.	Moor aircraft (Chains)	-	3c	-
A6.1.12.6.	Aircraft jacking	-	B	-
A6.1.12.6.1.1.	Wing jacking team member	-	2b	-
A6.1.12.6.1.2.	Nose jack team member	-	3c	-
A6.1.12.6.1.3.	Jacking supervisor	-	b	-
A6.1.12.6.2.	Axle jacking	-	3c	-
A6.1.13.	Marshall aircraft	-	2c	3c
A6.1.19.	Use hardware and securing devices	-	3c	-
A6.1.20.	Select and use handtools	-	3c	-
A6.1.21.	Select and use measuring tools	-	3c	-
A6.1.22.	Select aircraft sealants	-	2b	-
A6.1.25..	Perform 15 day flap track and jackscrew lube	-	3c	-
A6.2.1.	Airframe components and structure	-	B	-
A6.2.2.1.	Crew entry door principles of operation	-	B	-
A6.2.2.2.	Aft cargo door and ramp principles of operation	-	B	-
A6.2.2.3.	Paratroop door principles of operation	-	B	-
A6.2.3.1.1.	Operate aft cargo door and ramp (normal method)	-	3c	-
A6.2.3.1.2.	Operate aft cargo door and ramp (emergency method)	-	3c	-
A6.2.3.2.	Operate paratroop doors	-	3c	-
A6.2.3.3.	Operate crew entry door	-	3c	-
A6.2.4.2.	Remove and install panels	-	3c	-
A6.2.4.3.	Remove and install non-explosive seats	-	3c	-
A6.2.4.9.	Remove and install leading edges	-	b	-
A6.2.4.12.	Remove and install aircraft escape hatches	-	3c	-
A6.2.4.13.	Remove and install aft cargo door safety lock	-	3c	-
A6.2.5.1.	Open and close cowling	-	3c	-
A6.2.5.2.	Open and close panels	-	3c	-

2A531B STS MATRIX (C-130)

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>	<u>STS 2A5X1</u>
A6.2.5.3.	Open and close radomes	-	3c	-	
A6.3.1.	Landing gear components and system operation	-	B	-	
A6.3.3.1	Service tires	-	3c	-	
A6.3.3.2.1.	Service shock strut (alternate method)	-	3c	-	
A6.3.4.1.	Remove and install wheel and tire assemblies	-	3c	-	
A6.3.4.2.	Remove and install brake assemblies	-	1b	-	
A6.3.6.	Determine serviceability of aircraft tires	-	3c	-	
A6.3.7.	Inspect landing gear system	-	2b	-	
A6.4.1.1.	Bleed air system components and system operation	-	B	-	
A6.4.1.2.	Wing overheat warning system components and system operation	-	B	-	
A6.4.1.3.	Air conditioning system components and system operation	-	B	-	
A6.4.1.5.	Anti-ice/De-ice system components and system operation	-	B	-	
A6.4.1.6.	Rain removal system components and system operation	-	B	-	
A6.4.1.7.	Fire/overheat warning system components and system operation	-	B	-	
A6.4.1.8.	Fire extinguishing system components and system operation	-	B	-	
A6.4.1.9.	Oxygen system components and system operation	-	B	-	
A6.4.1.10.	Air turbine motor components and system operation	-	B	-	
A6.4.2.1.	Operate bleed air system	-	3c	-	
A6.4.2.6.	Operate fire/overheat warning system	-	3c	-	
A6.4.2.8.	Operate oxygen system	-	2b	3c	
A6.4.2.9.	Operate air turbine motor	-	3c	-	
A6.4.2.10.	Operate APU generator	-	b	-	
A6.4.4.	Service oxygen system	-	3c	-	
A6.5.1.	Flight control components and system operation	-	B	-	
A6.5.2.	Operate flight controls	-	3c	-	
A6.6.1.	Hydraulic system components and system operation	-	B	-	
A6.6.2.	Hydraulic schematics	-	A	-	
A6.6.3.1.	Service reservoir	-	3c	-	
A6.6.3.2.	Service accumulators	-	3c	-	
A6.6.4.	Inspect hydraulic system	-	2b	-	
A6.6.5.	Operate auxiliary hydraulic pump	-	3c	-	
A6.6.7.1.	Remove and install hydraulic lines	-	3c	-	
A6.6.7.2.	Remove and install hydraulic hoses	-	3c	-	
A6.6.7.3.	Remove and install hydraulic fittings	-	3c	-	
A6.6.7.4.	Remove and install hydraulic swivels	-	3c	-	
A6.6.7.5.	Remove and install hydraulic filters	-	3c	-	
A6.7.1.	Engine and APU components and operation	-	B	-	
A6.7.2.2.	Operate APU	-	b	-	
A6.7.2.3.	Operate GTC	-	3c	-	
A6.7.3.1.	Service engine oil system	-	2c	3c	

2A531B STS MATRIX (C-130)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A6.7.3.2.	Service APU	-	b	-
A6.7.3.3.	Service GTC	-	3c	-
A6.7.3.4.	Service engine starter	-	2c	3c
A6.8.1.	Propeller components and system operation	-	B	-
A6.8.2.	Perform propeller static ground operation	-	3c	-
A6.8.3.	Inspect propeller system	-	2b	-
A6.8.4.	Service propeller (atmospheric method)	-	2c	3c
A6.9.1.	Fuel system components and system operation	-	B	-
A6.9.2.	Perform ground transfer of fuel	-	2c	3c
A6.9.3.1.	Refuel team member	-	2c	3c
A6.9.3.2.	Refuel team panel operator	-	2c	3c
A6.9.4.1.	Defuel team member	-	2b	-
A6.9.4.2.	Defuel team panel operator	-	2b	-
A6.10.1.	Electrical system components and operation	-	B	-
A6.10.2.2.	Perform operational check of lighting system	-	3c	-
A6.10.3.	Perform functional check of battery	-	3c	-
A6.10.4.1.	Remove and install light assemblies and components	-	3c	-
A6.10.4.2.	Remove and install batteries	-	3c	-
A6.10.7.	Connect/disconnect external electrical power	-	3c	-
A6.10.8.	Service sump jar	-	3c	-
A6.11.1.	Egress system components and operation	-	B	-
A6.12.1.	Inspect and operate gaseous nitrogen servicing equipment	-	3c	-
A6.12.3.	Inspect and operate MC-1A air compressor	-	3c	-
A6.12.4.	Inspect and operate MC-2A air compressor	-	3c	-
A6.12.5.	Inspect and operate H-1 heater	-	3c	-
A6.12.6.	Inspect and operate A/M32A-86 portable generator	-	3c	-
A6.12.8.	Inspect and operate NF-2 portable lighting equipment	-	3c	-
A6.12.9.	Inspect and operate gas turbine compressor	-	3c	-
A6.12.10.	Inspect and operate liquid oxygen equipment	-	3c	-
A6.12.11.	Inspect and operate B-1/B-2 stands	-	3c	-
A6.12.12.	Inspect and operate B-4/B-5 stands	-	3c	-

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals resident course conducted at Sheppard AFB, TX. Column 2 identifies training given in the C-135 Aerospace Maintenance Specialist course (see attachment 12) needed to acquire an apprentice skill level. This training is also conducted at Sheppard AFB. Airmen are awarded AFSC 2A531G after completing the training given in columns 1 and 2. Columns 3 lists the additional requirements for a proposed Mission Ready Training (MRT) course identified at the 2A5X1 career field Utilization and Training Workshop, Jul 1996, may be conducted at a later date. The MRT course will include all items in columns 1, 2, and 3.

NOTE 2: All applicable safety requirements, inspection requirements, TOs/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout the courses to the training level of associated tasks.

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001 (Col 1)	HQJ
C-135	J3ABR2A531G 002 (Col 2)	648

2A531G STS MATRIX (C-135)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	C
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	C
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	C
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	C
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	C
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	C
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	C
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	C
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	C
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	C
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	C
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	C
A2.3.3.1.	Inspect fire extinguisher	2b	-	3c
A2.3.3.2.	Position fire extinguisher	2b	-	3c
A2.3.3.3.	Operate fire extinguisher	b	-	3c
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	C
A2.3.6.1.	Hazardous chemicals use	A	-	C
A2.3.6.2.	Hazardous chemicals disposal	A	-	C
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	C
A2.4.3.	Use technical publications	2b	-	3c
A2.4.4.	TO improvement reporting	A	-	3c
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	B
A2.9.4.2.	Use hardware	2b	-	3c
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	B

2A531G STS MATRIX (C-135)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.6.2.	Use securing devices	2b	-	3c
A2.9.7.	Aircraft lubricants	A	-	3c
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	B
A2.9.11.1.	Select hand tools	2b	-	3c
A2.9.11.2.	Use hand tools	2b	-	3c
A2.9.12.1.	Select measuring tools	2b	-	3c
A2.9.12.2.	Use measuring tools	2b	-	3c
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	3c
A2.9.14.2	Use torque wrench	2b	-	3c
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	3c
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	B
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	3c
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.6.1.	Operate oxygen system	1b	-	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-	3c
A2.14.7.1.	Oxygen system	1b	-	-
A2.14.7.2.	Fire/overheat warning system	1b	-	-

2A531G STS MATRIX (C-135)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.3.	Remove/install hydraulic components	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	B
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	3c
A2.20.1.3.	Operate maintenance stands	2b	-	3c
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	3c
A2.20.3.3.	Operate aircraft jacks	2b	-	3c
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-

2A531G STS MATRIX (C-135)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	3c
A2.20.6.3.	Operate air compressors	2b	-	3c
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	3c
A2.20.7.3.	Operate ground heaters and blowers	2b	-	3c
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	3c
A2.20.8.3.	Operate generator sets	2b	-	3c
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	3c
A2.20.9.3.	Operate lighting equipment	2b	-	3c
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A7.1.1.1.	Isochronal inspection concept	-	B	B
A7.1.1.2.1.	Perform preflight inspections	-	2b	3c
A7.1.1.2.2.	Perform thruflight inspection	-	-	3c
A7.1.1.2.3.	Perform quick turn inspection	-	2b	-
A7.1.1.2.4.	Perform home station check	-	2b	3c
A7.1.2.2.	Use interphone	-	3c	3c
A7.1.3.1.1.	Operate flight controls	-	2b	3c
A7.1.3.1.2.	Perform Crew report	-	2b	3c
A7.1.3.2.	Recover aircraft	-	2b	3c
A7.1.3.3.1.	Tow wing/tail walker	-	2b	3c
A7.1.3.3.3.	Tow team supervisor	-	-	-
A7.1.3.5.	Axle jacking	-	2b	3c

2A531G STS MATRIX (C-135)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A7.1.4.	Compute center of gravity	-	2b	3c
A7.1.5.1.	Install/remove landing gear ground safety locks	-	2b	3c
A7.1.5.2.	Install/remove landing gear doors ground safety locks	-	2b	3c
A7.1.6.	Ground aircraft	-	2b	3c
A7.2.1.	Airframe components and structure	-	A	A
A7.2.2.1.	Operate entry door	-	2b	3c
A7.2.2.2.	Operate cargo door	-	2b	3c
A7.2.2.3.	Operate emergency hatch	-	3c	3c
A7.2.2.4	Operate wheel well doors	-	2b	3c
A7.2.3.	Service cargo door reservoir	-	2b	-
A7.2.4.1.	Open and close cowling	-	2b	3c
A7.2.4.2.	Open and close panels	-	-	3c
A7.2.5.1.	Remove and install cowling	-	2b	3c
A7.2.5.2.	Remove and install panels	-	-	3c
A7.3.1.	Landing gear components and system operation	-	A	A
A7.3.2.2.	Operate brakes	-	2b	3c
A7.3.3.1.	Service snubber	-	2b	3c
A7.3.3.2.	Service centering cylinder	-	2b	3c
A7.3.3.3.1.	Deflate landing gear struts	-	2b	3c
A7.3.3.3.3.	Fill landing gear struts	-	2b	3c
A7.3.3.3.4.	Inflate landing gear struts	-	2b	-
A7.3.3.4.	Service tires	-	3c	3c
A7.3.5.3.	Remove and install wheel and tire assemblies	-	2b	3c
A7.3.5.3.1.	Remove and install anti-skid transducer	-	2b	3c
A7.3.5.4.	Remove and install brake assemblies	-	2b	3c
A7.3.6.	Bleed brake system	-	2b	3c
A7.3.7.	Determine serviceability of aircraft tires	-	2b	3c
A7.3.8.	Inspect landing gear system	-	2b	3c
A7.4.1.	Utility components and system operation	-	A	A
A7.4.3.1.	Service Gaseous oxygen	-	2b	3c
A7.4.3.2.	Service liquid oxygen	-	-	3c
A7.5.1.	Flight control components and system operation	-	A	A
A7.5.2.	Operate flight controls	-	2b	3c
A7.6.1.	Hydraulic components and system operation	-	A	A
A7.6.2.1.	Service reservoir	-	3c	3c
A7.6.2.2.	Service accumulator	-	2b	-
A7.6.2.3.	Drain reservoir	-	2b	3c
A7.6.3.	Inspect major components	-	2b	3c

2A531G STS MATRIX (C-135)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A7.6.4.2.	Operate non-engine driven pump	-	2b	-
A7.7.1.	Engine and auxiliary power unit (APU) components and system operation	-	A	A
A7.7.4.1.	Service engine oil system	-	2b	3c
A7.7.4.2.	Service constant speed drive/integrated drive generator	-	2b	3c
A7.7.5.1.	Remove and install starter	-	2b	-
A7.7.6.	Take engine oil sample (Except KC-135R)	-	2b	3c
A7.7.7.	Inspect chip detectors (KC-135R Only)	-	b	3c
A7.7.8.1.	Inspect installed engine turbine	-	1b	3c
A7.7.8.2.	Inspect installed engine compressor	-	1b	3c
A7.7.9.	Inspect auxiliary power unit	-	2b	3c
A7.8.1.	Fuel components and system operation	-	A	A
A7.8.3.1.	Refuel team member	-	2b	3c
A7.8.3.2.	Refuel team panel operator	-	2b	3c
A7.8.4.1.	Defuel team member	-	2b	3c
A7.8.4.2.	Defuel team panel operator	-	2b	3c
A7.8.6.	Inspect fuel system	-	1b	1b
A7.8.8.	Ground transfer fuel	-	2b	2b
A7.8.9.1.	Inspect IFR receiver system	-	2b	-
A7.8.9.2.	Operate IFR receiver system	-	2b	-
A7.8.10.1.	Inspect boom	-	2b	3c
A7.8.10.2.	Operate boom	-	2b	3c
A7.8.10.3.	Raise and lower boom	-	2b	3c
A7.8.10.4.	Drain boom	-	2b	3c
A7.8.10.5.	Service boom shock absorber	-	2b	3c
A7.8.10.6.	Service boom hoist reservoir	-	2b	3c
A7.8.10.7.	Service boom surge boots	-	2b	3c
A7.8.11.1.	Remove and install drogue	-	-	3c
A7.8.11.2.	Perform drogue breakaway test	-	-	3c
A7.9.1.	Electrical components and system operation	-	A	A
A7.9.2.	Switch guards	-	A	A
A7.9.3.2.	Perform operational check on lighting system	-	2b	3c
A7.9.4.1.	Remove and install light lenses	-	-	3c
A7.9.4.2.	Remove and install light bulbs	-	-	3c
A7.9.4.3.	Remove and install batteries	-	2b	-
A7.9.7.	Connect/apply and disconnect external electrical power	-	3c	3c
A7.10.1.	Egress components and system operation	-	A	A
A7.11.1.	Inspect and operate gaseous oxygen service equipment	-	2b	3c

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals resident course conducted at Sheppard AFB, TX. Column 2 identifies training given in the Mission Ready Technician (MRT) course also conducted at Sheppard. Column 3 identifies training given on operational aircraft under flight line conditions in the second phase of the MRT course conducted at McChord AFB WA. After completing the three courses listed in columns 1, 2, and 3, the graduate is awarded AFSC 2A531A.

NOTE 2: All applicable safety requirements, inspection requirements, TOs/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout the three formal courses to the training level of associated tasks.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001 (Col 1)	HQJ
C-141 MRT (Sheppard)	J3AQR2A531A 000 (Col 2)	XCN
C-141 MRT (McChord)	J3ABP2A531A 000 (Col 3)	XJN

2A531D STS MATRIX (C-141)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.6.1.	Operate oxygen system	1b	-	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-	-
A2.14.7.1.	Oxygen system	1b	-	-
A2.14.7.2.	Fire/overheat warning system	1b	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	-
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.6.3.	Operate air compressors	2b	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-
A2.20.8.3.	Operate generator sets	2b	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A8.1.1.	Use hardware and securing devices	-	3c	-
A8.1.4.	Select and use aircraft sealants	-	c	-
A8.1.5.	Use restraint harnesses	-	2b	-
A8.2.1.1.	GO81 system program 9050-Open aircraft discrepancies	-	3c	-
A8.2.1.2.	GO81 system program 9010-Close aircraft discrepancies	-	3c	-
A8.2.1.3.	GO81 system program 9099-MDC/close aircraft discrepancy	-	3c	-
A8.2.1.4.	GO81 system program 8063-Jobs closed, no MDC taken list	-	2b	-
A8.2.2.1.	GO81 system program 9128-Build repairable item processing tag (AFTO Form 350)	-	3c	-
A8.2.2.2.	GO81 system program 8044-Supply information on a particular aircraft	-	2b	-
A8.2.2.3.	GO81 system program 8057-Tail number bin (TNB) list	-	2b	-
A8.2.2.4.	Document AF Form 2005, Supply Ordering	-	2b	-
A8.2.3.1.	GO81 system program 9032F-Generate and document aircraft flying forms	-	3c	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A8.2.3.2.	GO81 system program 9203-JOAP sample form	-	3c	-
A8.2.3.3.	Document AF Form 1492, Warning Tag	-	3c	-
A8.3.1.1.	Danger areas	-	B	-
A8.3.1.2.	Accident prevention	-	B	-
A8.3.2.	Prevent FOD	-	3c	-
A8.3.3.	Use technical orders	-	3c	-
A8.3.4.	Detect corrosion	-	3c	-
A8.3.5.	Isochronal inspection concept	-	B	-
A8.3.5.1.	Perform preflight inspection	-	3c	-
A8.3.5.2.	Perform thruflight inspection	-	3c	-
A8.3.5.3.	Perform basic post flight inspection	-	3c	-
A8.3.6.3.	Operate interphone	-	3c	-
A8.3.7.1.	Launch aircraft	-	-	3c
A8.3.7.2.	Recover aircraft	-	-	3c
A8.3.7.3.	Statically ground aircraft	-	3c	-
A8.3.7.4.1.	Tow procedures	-	B	-
A8.3.7.4.2.	Prepare aircraft for tow	-	-	3c
A8.3.7.4.3.	Tow wing/tail walker	-	-	3c
A8.3.7.4.4.	Tow brake operator	-	-	3c
A8.3.7.5.	Moor aircraft	-	-	3c
A8.3.7.6.1.	Aircraft jacking	-	B	-
A8.3.7.6.1.2.	Nose jack team member	-	3c	-
A8.3.7.6.2.	Axle jacking	-	3c	-
A8.3.7.7.	Marshall aircraft	-	-	3c
A8.3.8.1.	Remove/install troop/passenger seats	-	3c	-
A8.3.8.2.	Remove/install cargo winch	-	2b	-
A8.3.9.	Operate cargo winch	-	2b	-
A8.3.12.	Remove and install crew latrine	-	3c	-
A8.4.1.	Airframe components and structure	-	B	-
A8.4.2.1.	Crew entry door system principles of operation	-	B	-
A8.4.2.2.	Cargo doors/ramp system principles of operation	-	B	-
A8.4.3.1.	Open and close cargo doors (normal mode)	-	3c	-
A8.4.3.2.	Open and close paratroop doors	-	3c	-
A8.4.3.3.	Open and close crew entry door	-	3c	-
A8.4.3.4.	Open and close emergency exits	-	3c	-
A8.4.3.5.	Open and close radome	-	3c	-
A8.4.4.1.	Remove and install aircraft panels	-	3c	-
A8.4.4.2.	Remove and install crew member seats	-	3c	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A8.4.4.3.	Remove and install windshield	-	b	-
A8.4.4.4.	Remove and install wing life rafts	-	3c	-
A8.4.4.5.	Remove and install aft upper deck life rafts	-	3c	-
A8.4.4.6.	Remove and install upper hatch life rafts	-	3c	-
A8.4.5.1.	Lubricate airframe and landing gear components	-	3c	-
A8.5.1.	Landing gear components and system operation	-	B	-
A8.5.2.2.	Operate brakes	-	3c	-
A8.5.3.1.	Inflate shock strut	-	3c	-
A8.5.3.2.	Inflate axle beam (bogie) positioner	-	3c	-
A8.5.3.3.	Inflate tires	-	3c	-
A8.5.4.1.	Disconnect/connect NLG torque arms	-	3c	-
A8.5.4.2.	Disconnect/connect right NLG door	-	3c	-
A8.5.4.3.	Disconnect/connect MLG doors	-	3c	-
A8.5.5.1.	Remove and install main wheel and tire assembly	-	3c	-
A8.5.5.2.	Remove and install nose wheel and tire assembly	-	3c	-
A8.5.5.3.	Remove and install brake assembly	-	2b	-
A8.5.5.4.	Remove and install brake hose	-	2b	-
A8.5.5.5.	Remove and install brake swivel fitting	-	2b	-
A8.5.6.	Bleed brake	-	2b	-
A8.5.7.	Reset brake fuse	-	2b	-
A8.5.8.	Determine serviceability of tires	-	3c	-
A8.6.1.1.	Bleed air system components and operation	-	B	-
A8.6.1.2.	Wing overheat warning system components and operation	-	B	-
A8.6.1.3.	Air conditioning system components and operation	-	B	-
A8.6.1.4.	Pressurization system components and operation	-	B	-
A8.6.1.5.	Anti-ice/de-ice system components and operation	-	B	-
A8.6.1.6.	Rain removal system components and operation	-	B	-
A8.6.1.7.	Fire/overheat warning/extinguishing system components and operation	-	B	-
A8.6.1.8.	Smoke detection system components and operation	-	B	-
A8.6.1.9.	Oxygen system components and operation	-	B	-
A8.6.2.1.	Operate bleed air system	-	2b	-
A8.6.2.2.	Operate air conditioning system	-	2b	-
A8.6.2.7.	Operate fire/overheat warning systems	-	2b	-
A8.6.2.8.	Operate smoke detection system	-	2b	-
A8.6.2.9.	Operate wing overheat warning system	-	2b	-
A8.6.3.	Service oxygen system	-	-	3c
A8.7.1.	Flight control components and system operation	-	B	-
A8.7.2.	Operate flight controls	-	3c	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A8.7.3.	Reset a flap asymmetry	-	b	-
A8.7.4.	Rig flight controls	-	B	-
A8.8.1.	Hydraulic components and system operation	-	B	-
A8.8.2.	Hydraulic schematic symbols	-	B	-
A8.8.3.1.	Service hydraulic system reservoir	-	3c	-
A8.8.3.2.	Service hydraulic system accumulator	-	3c	-
A8.8.4.2.	Operate non-engine driven pump	-	3c	-
A8.8.5.	Reposition/retorque lines for minor leaks	-	3c	-
A8.8.6.1.	Remove and install tubing	-	3c	-
A8.8.6.2.	Remove and install fittings	-	3c	-
A8.8.6.3.	Remove and install filter elements	-	3c	-
A8.9.1.	Engine and auxiliary power unit (APU) components and system operation	-	B	-
A8.9.2.2.	Operate auxiliary power unit	-	2b	-
A8.9.3.1.	Service engine oil tank	-	-	3c
A8.9.3.2.	Service constant speed drive tank	-	-	3c
A8.9.3.3.	Service auxiliary power unit	-	2b	3c
A8.9.5.	Adjust cowl door latch	-	3c	-
A8.9.6.1.	Open and close forward cowl door	-	3c	-
A8.9.6.2.	Open and close aft cowl door	-	3c	-
A8.9.6.3.	Open and close thrust reverser fairing door	-	3c	-
A8.9.7.	Take JOAP sample	-	3c	-
A8.9.10.	Deactivate thrust reverser system	-	3c	-
A8.10.1.	Fuel components and system operation	-	B	-
A8.10.2.	Perform ground transfer of fuel	-	-	3c
A8.10.3.1.	Refuel preparation	-	-	3c
A8.10.3.2.	Refuel panel operator	-	-	3c
A8.10.4.1.	Defuel preparation	-	-	3c
A8.10.4.2.	Defuel panel operator	-	-	3c
A8.10.6.1.	Location of in-flight-refueling system components and system operation	-	B	-
A8.11.1.	Electrical system components and system operation	-	B	-
A8.11.2.	Electrical schematic symbols	-	B	-
A8.11.3.1.	Remove and install light lenses	-	3c	-
A8.11.3.2.	Remove and install light bulbs	-	3c	-
A8.11.3.3.	Remove and install strobe anti-collision bulb	-	3c	-
A8.11.3.4.	Remove and install battery	-	3c	-
A8.11.4.	Operate lighting systems	-	3c	-
A8.11.5.	Apply/disconnect external electrical power	-	3c	-
A8.12.1.	Egress system components and system operation	-	B	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A8.12.2.	Inspect egress system components	-	2b	-
A8.12.3.	Operate egress system components	-	2b	-
A8.13.1.	Inspect and operate maintenance stands	-	3c	-
A8.13.2.	Inspect and operate aircraft jacks	-	3c	-
A8.13.3.	Inspect and operate MC-1A/MC2A air compressor	-	3c	-
A8.13.4.	Inspect and operate H-1 heater	-	3c	-
A8.13.5.	Inspect and operate A/M32A-86 electric generator	-	3c	-
A8.13.6.	Inspect and operate NF-2 portable lighting equipment	-	3c	-
A8.13.7.	Inspect and operate AM32A-95 gas turbine compressor	-	3c	-
A8.13.8.	Inspect and operate LN-2 liquid nitrogen cart	-	3c	-
A8.13.9.	Inspect and operate liquid oxygen servicing cart	-	-	3c
A8.13.10.	Inspect and position ground fire extinguisher	-	3c	-

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Maintenance Fundamentals residence course conducted at Sheppard AFB, Tx. Course J3AQR2A531D 000 C-17 Aerospace Maintenance Apprentice is exactly the same as the Aircraft Maintenance Fundamentals course. Column 2 identifies training given in the course J3ABP2A531D-023, C-17A. Items identified are the qualitative requirements needed to acquire an apprentice skill level. This training is conducted by a local Training Detachment. Column 3 lists the requirements for the proposed Mission Ready Technician (MRT) course identified at the 2A5X1 career field Utilization and Training Workshop, Jul 1996.

NOTE 2: All applicable safety requirements, inspection requirements, TO's/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout the courses to the training level of associated tasks.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
C-17	J3AQR2A531D-000 (Col 1)	U35
C-17	J3ABP2A531D-023 (Col 2)	132

2A531D STS MATRIX (C-17)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.6.1.	Operate oxygen system	1b	-	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-	-
A2.14.7.1.	Oxygen system	1b	-	-
A2.14.7.2.	Fire/overheat warning system	1b	-	-

2A531D STS MATRIX (C-17)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	-
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.6.3.	Operate air compressors	2b	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-
A2.20.8.3.	Operate generator sets	2b	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A9.1.1.1.	Safety precautions pertaining to high intensity sound	-	-	B
A9.1.1.2.	Safety precautions pertaining to ground handling of aircraft	-	-	B
A9.1.1.3.	Safety precautions pertaining to aircraft containing ammunition/ explosives	-	-	B
A9.1.2.	Safety precautions pertaining to FOD Prevention	-	-	B
A9.1.3.	Using standard and technical publications	-	-	3c
A9.1.4.1.	9050-Open aircraft discrepancies	-	-	3c
A9.1.4.2.	9010-Close aircraft discrepancies	-	-	3c
A9.1.4.3.	9099-MDC/close aircraft discrepancy	-	-	3c
A9.1.4.4.	8063-Jobs closed, no MDC taken list	-	-	2b
A9.1.5.1.	9128-Build repairable item processing tag (AFTO Form 350)	-	-	3c
A9.1.5.2.	8044-Supply information on a particular aircraft	-	-	2b
A9.1.5.3.	8057-Tail number bin (TNB) list	-	-	2b
A9.1.5.4.	Document AF Form 2005, Supply Ordering	-	-	2b

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A9.1.6.1.	9032F-Generate aircraft flying forms	-	-	3c
A9.1.6.3.	Document AF Form 1492, Warning Tag	-	-	3c
A9.1.8.2.1.	Perform preflight inspection	-	-	3c
A9.1.8.2.2.	Perform thruflight inspection	-	3c	3c
A9.1.8.2.3.	Perform basic post flight inspection	-	-	3c
A9.1.8.2.4.	Perform basic post flight/preflight inspection	-	-	3c
A9.1.9.	Operate flight controls	-	-	3c
A9.1.10.2.1.	Operate maintenance interphone system	-	3c	3c
A9.1.10.2.2.	Operate fight station interphone system	-	3c	3c
A9.1.11.1.	Launch aircraft	-	3c	3c
A9.1.11.3.	Recover aircraft	-	3c	3c
A9.1.11.3.1.	Tow procedures	-	3c	-
A9.1.11.3.2.	Prepare aircraft for tow	-	3c	3c
A9.1.11.3.3.	Wing/tail walker	-	3c	3c
A9.1.11.3.4.	Brake operator	-	3c	3c
A9.1.11.6.1.1.	Jacking team member	-	-	2b
A9.1.11.6.3.	MLG jacking (integral)	-	3c	3c
A9.1.11.6.4.	NLG axle jacking	-	3c	3c
A9.1.11.7.	Marshall aircraft	-	3c	3c
A9.1.11.8.	Statically ground aircraft	-	3c	3c
A9.1.11.9.	Remove/install ground safety locks	-	-	3c
A9.1.12.1.	Operate Mission Computer	-	3c	3c
A9.1.14.	Operate Maintenance Monitor Panel (MMP) to view and erase faults	-	3c	3c
A9.1.15.1.	Operate cargo winch	-	3c	3c
A9.1.15.2.	Service/ repair cargo winch	-	3c	-
A9.1.20.	Perform proper handling of ESD devices	-	3c	3c
A9.1.21.1.	Operate support/stab strut for cargo	-	3c	-
A9.1.21.9.	Operate ADS controller	-	3c	-
A9.1.21.16.	Operate Integrated Radio Management System (RMS)	-	3c	-
A9.2.3.1.	Operate crew entry doors	-	-	3c
A9.2.3.2.	Operate troop doors	-	-	3c
A9.2.3.4.1.	Operate aft cargo doors automatically	-	3c	3c
A9.2.3.6.	Operate ramp toes	-	3c	3c
A9.2.4.2.	Open and close cowling	-	3c	3c
A9.2.4.3.	Open and close panels	-	-	3c
A9.2.4.6.	Open and close maintenance access doors	-	-	3c
A9.2.4.6.4.	Open and close fuselage/wing access entry/exit	-	3c	-
A9.2.5.2.	Remove and install panels	-	-	2b

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A9.2.5.3.	Remove and install nonexplosive seats	-	-	3c
A9.2.6.	Inspect and repair crew entrance door/ladder	-	-	2b
A9.2.7.	Use maintenance tunnels/vertical stabilizer entry/exit procedures	-	3c	3c
A9.2.7.1.	Maintenance tunnel entry/exit	-	3c	3c
A9.2.7.2.	Vertical stabilizer entry/exit	-	3c	3c
A9.3.2.1.1.	Service MLG shock strut with nitrogen	-	3c	3c
A9.3.2.21.	Service NLG shock strut with nitrogen	-	3c	3c
A9.3.2.1.	Service shock strut	-	-	3c
A9.3.2.2.	Service tires	-	3c	3c
A9.3.2.3.	Service landing gear	-	-	2b
A9.3.2.5.	Service main landing gear shock strut using OBIGGS	-	-	3c
A9.3.2.6.	Service brake accumulator	-	3c	-
A9.3.3.1.	Remove and install main wheel and tire assemblies	-	3c	3c
A9.3.3.3.	Remove and install nose wheel and tire assemblies	-	3c	3c
A9.3.8.1.	Disconnect/connect NLG torque arms	-	3c	3c
A9.3.8.2.	Disconnect/connect MLG doors	-	-	3c
A9.3.11.	Determine serviceability of aircraft tires	-	-	3c
A9.4.2.6.	Operate rain removal/windshield wiper system	-	-	3c
A9.4.2.11.	Operate Onboard Inert Gas Generating System (OBIGGS)	-	3c	3c
A9.4.2.13.	Operate proximity sensing system	-	3c	-
A9.4.3.7.	Inspect windshield wiper system	-	-	3c
A9.4.4.1.	Service gaseous oxygen	-	-	3c
A9.4.4.2.	Service liquid oxygen	-	3c	3c
A9.4.4.3.	Service portable oxygen bottle	-	-	3c
A9.5.4.1.	Perform operational check of yaw system	-	3c	-
A9.5.4.2.	Perform operational check of aileron trim system	-	3c	-
A9.5.4.3.	Perform operational check of rudder mechanical controls and surfaces	-	3c	-
A9.5.4.4.	Perform operational check of rudder trim system	-	3c	-
A9.5.4.5.	Perform operational check of horizontal stabilizer system	-	3c	-
A9.5.4.6.	Perform operational check of spoiler system	-	3c	-
A9.5.4.7.	Perform operational check of slat system	-	3c	-
A9.5.4.8.	Perform operational check of flaps using alternate method	-	3c	-
A9.6.2.1.	Service hydraulics reservoir primary method	-	3c	3c
A9.2.9.2.	Load equalization reservoir	-	3c	3c
A9.6.2.3.	Service hydraulics accumulator	-	3c	3c
A9.6.7.2.	Operate non-engine driven pump	-	3c	3c
A9.6.7.3.	Operate hydraulic system controller	-	-	-
A9.6.9.	Reposition/retorque lines for minor leaks	-	-	3c

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STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A9.7.6.	Operate auxiliary power unit	-	3c	3c
A9.7.7.1.	Service oil system	-	3c	3c
A9.7.5.2.	Service integrated drive generator	-	3c	3c
A9.7.7.3.	Service auxiliary power unit	-	3c	3c
A9.7.7.4.	Service starter	-	3c	-
A9.7.8.1.	Remove and install starter	-	3c	-
A9.7.8.2.	Remove and install starter control valve	-	3c	-
A9.7.9.2.	Open and close auxiliary power unit access door	-	3c	3c
A9.7.10.	Deactivate thrust reverser system	-	-	3c
A9.7.11.	Hydraulically deploy/stow thrust reverser	-	3c	3c
A9.7.11.3.	Open and close engine accessory doors	-	3c	-
A9.8.4.1.	Refuel team member	-	3c	3c
A9.8.4.3.	Refuel panel operator	-	3c	3c
A9.8.11.	Ground transfer fuel	-	3c	3c
A9.9.3.1.	Remove/install light lens	-	-	2b
A9.9.3.2.	Remove/install light bulbs	-	-	2b
A9.9.3.3.	Remove/install batteries	-	-	3c
A9.9.3.4.	Remove/install strobe anti-collision bulb	-	-	3c
A9.9.3.5.	Remove/install nose retractable landing light assembly	-	3c	-
A9.9.5.1.	Perform operational check of electrical power supply system	-	-	3c
A9.9.5.2.	Perform operational check of lighting system	-	-	3c
A9.9.5.4.	Perform operational check of batteries	-	-	3c
A9.9.6.	Connect/disconnect external electrical power	-	3c	3c
A9.9.7.	Use solderless connectors	-	3c	-
A9.9.8.	Use wiring diagrams	-	3c	-
A9.9.9.	Electrical schematic/ symbols	-	3c	-
A9.10.4.	Service ramp emergency egress hydraulic accumulator	-	3c	-
A9.11.1.10.	Perform pre-use inspection and operate AM32A-95 gas turbine compressor	-	3c	-
A9.11.1.12.	Perform pre-use inspection and operate air conditioning unit (MA-31)	-	3c	-
A9.11.1.13.	Perform pre-use inspection and operate MJ2A-1 hydraulic test stand (4000PSI)	-	3c	-
A9.11.1.14.	Perform pre-use Inspection and operate TTU-228B-1 hydraulic test stand	-	3c	-

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals resident course conducted at Sheppard AFB, TX. Column 2 identifies training given in the C-5 hands-on course conducted at Dover AFB, DE. Airmen are awarded AFSC 2A531C after completing the training given in columns 1 and 2. Columns 3 lists the additional requirements for a proposed Mission Ready Training (MRT) program that may be conducted at a later date. The MRT course will include all items in columns 1, 2, and 3.

NOTE 2: All applicable safety requirements, inspection requirements, TOs/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout Phase3A and Phase 3B courses to the training level of associated tasks.

NOTE 3: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
C-5	J3AQR2A531C 000 (Col 1)	478
C-5	J3ABP2A531C 000 (Col 2)	X78

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.2.1.	Operate oxygen system	1b	-	-
A2.14.2.2.	Operate fire/overheat warning system	1b	-	-
A2.14.3.1.	Oxygen system	1b	-	-
A2.14.3.2.	Fire/overheat warning system	1b	-	-

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	-
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.6.3.	Operate air compressors	2b	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-
A2.20.8.3.	Operate generator sets	2b	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A10.1.1.1.	Safety precautions pertaining to high intensity sound	-	B	-
A10.1.1.2.	Safety precautions pertaining to good housekeeping	-	B	-
A10.1.1.3.	Safety precautions pertaining to danger areas	-	B	-
A10.1.1.4.	Inspect and position ground fire extinguishers	-	3c	-
A10.1.2.	FOD prevention	-	B	-
A10.1.3.	Use technical orders	-	2b	3c
A10.1.7.1.	Isochronal inspection concept	-	B	-
A10.1.7.1.1.	Perform preflight inspection	-	2b	3c
A10.1.7.1.2.	Perform thruflight inspection	-	-	3c
A10.1.7.1.3.	Perform basic post flight inspection	-	2b	-
A10.1.8.2.	Operate interphone system	-	2b	3c
A10.1.9.1.1.	Launch aircraft	-	B	3c
A10.1.9.1.2.	Recover aircraft	-	B	3c

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A10.1.9.1.3.	Select and use restraint harnesses	-	3c	-
A10.1.9.2.1.	Tow procedures	-	B	-
A10.1.9.2.2.	Prepare aircraft for tow	-	B	3c
A10.1.9.2.3.	Wing/tail walker	-	-	3c
A10.1.9.2.4.	Tow brake operator	-	2b	-
A10.1.9.2.5.	Tow panel operator	-	-	3c
A10.1.9.4.1.	Fuselage Jacking	-	B	-
A10.1.9.4.1.1.	Jacking team member	-	B	-
A10.1.9.4.2.	Axle jacking	-	2b	3c
A10.1.17.	Deactivate/reactivate FSS system	-	B	-
A10.2.1.	Airframe components and structure	-	B	-
A10.2.2.	Door system principles of operation	-	B	-
A10.2.2.1.	Crew entry door	-	B	-
A10.2.2.2.	Forward cargo door	-	B	-
A10.2.2.3.	Aft cargo doors/ramp	-	B	-
A10.2.2.4.	Emergency exits	-	B	-
A10.2.3.3.	Operate paratroop doors	-	2b	3c
A10.2.3.4.	Operate crew entry door	-	2b	3c
A10.2.3.5.	Operate emergency exits	-	2b	-
A10.2.4.1.	Remove and install aircraft panels	-	2b	-
A10.2.4.2.	Remove and install crew member seats	-	2b	3c
A10.2.4.8.	Remove and install cargo floor rollers	-	2b	-
A10.2.5.1.	Open and close radomes	-	B	-
A10.2.5.2.	Open and close hatches	-	3c	-
A10.2.10.	Operate flight station ladder/ troop compartment ladder	-	2b	-
A10.3.1.	Landing gear components and system operation	-	B	-
A10.3.2.2.	Operate brakes	-	2b	3c
A10.3.2.5.	Operate individual kneel system	-	b	3c
A10.3.3.1.	Inflate shock strut	-	2b	3c
A10.3.3.2.	Inflate pitch positioner	-	2b	-
A10.3.3.3.	Inflate tires	-	2b	3c
A10.3.5.1.	Remove and install wheel and tire assemblies	-	2b	3c
A10.3.5.2.	Remove and install brake assemblies	-	b	-
A10.3.5.3.	Remove and install brake lines	-	b	-
A10.3.6.	Bleed brake systems	-	b	-
A10.3.7.	Determine serviceability of aircraft tires	-	3c	-
A10.4.1.1.	Bleed air system components and system operation	-	B	-
A10.4.1.2.	Wing overheat warning system components and system operation	-	B	-

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A10.4.1.3.	Air conditioning system components and system operation	-	B	-
A10.4.1.4.	Anti-ice/de-ice system components and system operation	-	B	-
A10.4.1.5.	Pressurization system components and system operation	-	B	-
A10.4.1.6.	Rain removal system components and system operation	-	B	-
A10.4.1.7.	Fire/overheat warning system components and system operation	-	B	-
A10.4.1.8.	Smoke detection system components and system operation	-	B	-
A10.4.1.9.	Fire extinguishing system components and system operation	-	B	-
A10.4.1.10.	Oxygen system components and system operation	-	B	-
A10.4.1.11.	Air turbine motor (ATM) components and system operation	-	B	-
A10.4.1.12.	Fuel tank inerting and fire suppression components and system operation	-	B	-
A10.4.2.1.	Operate bleed air system	-	b	3c
A10.4.2.2.	Test wing overheat warning system	-	b	3c
A10.4.2.3.	Operate air conditioning system	-	b	-
A10.4.2.7.	Test fire/overheat warning system	-	2b	3c
A10.4.2.8.	Test smoke detection system	-	2b	3c
A10.4.2.12.	Operationally check flame detectors	-	2b	-
A10.4.3.	Service oxygen system	-	2b	3c
A10.4.3.1.	Remove/service/reinstall portable oxygen bottles	-	3c	-
A10.5.1.	Flight control components and system operation	-	B	-
A10.5.2.	Operate flight controls	-	b	-
A10.6.1.	Hydraulic system components and system operation	-	B	-
A10.6.2.	Hydraulic schematic symbols	-	B	-
A10.6.3.1.	Service reservoir	-	2b	3c
A10.6.3.2.	Service accumulator	-	2b	3c
A10.6.4.2.	Operate ATM driven pump	-	b	-
A10.6.5.1.	Remove and install hydraulic lines	-	b	-
A10.6.5.2.	Remove and install hydraulic hoses	-	b	-
A10.6.5.3.	Remove and install hydraulic fittings	-	b	-
A10.6.5.4.	Remove and install hydraulic swivels	-	b	-
A10.6.5.5.	Remove and install hydraulic wiggins fittings	-	b	-
A10.6.5.6.	Remove and install hydraulic pressure switches	-	b	-
A10.6.5.7.	Remove and install hydraulic flow transducers	-	b	-
A10.6.5.8.	Remove and install hydraulic filter elements	-	b	-
A10.6.6.	Reposition/retorque hydraulic lines for minor leaks	-	2b/b	-
A10.7.1.	Engine and APU components and operation	-	B	-
A10.7.2.3.1.	Service engine oil system	-	2b	3c
A10.7.2.3.2.	Service constant speed drive reservoir	-	b	-
A10.7.2.3.3.	Service auxiliary power unit	-	2b	3c

2A531C STS MATRIX (C-5)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A10.7.2.3.4.	Service engine starter	-	b	-
A10.7.4.5.	Remove and install cowl door locks	-	b	-
A10.7.4.6.	Remove and install APU inlet door actuator	-	b	-
A10.7.5.	Open/close engine cowling	-	2b	3c
A10.7.9.	Open and close APU access door	-	2b	3c
A10.7.10.	Deactivate thrust reverser system	-	2b	3c
A10.7.13.	Thrust reverser components and operation	-	B	-
A10.8.1.	Fuel system components and system operation	-	B	-
A10.8.2.	Perform ground transfer of fuel	-	2b	-
A10.8.3.1.	Refuel preparation	-	B	3c
A10.8.3.2.	Refuel panel operator	-	-	3c
A10.8.4.1.	Defuel preparation	-	B	-
A10.8.7.1.	Location of in-flight refueling system components and system operation	-	B	-
A10.9.1.	Electrical system components and operation	-	B	-
A10.9.2.	Electrical schematic symbols	-	B	-
A10.9.3.1.	Operate interior/exterior lighting system	-	2b	3c
A10.9.3.2.	Operate indicator warning lights	-	2b	3c
A10.9.4.1.	Remove and install light lenses	-	2b	-
A10.9.4.2.	Remove and install light bulbs	-	2b	-
A10.9.4.3.	Remove and install battery	-	2b	3c
A10.9.6.1.	Inspect electrical components	-	2b	-
A10.9.6.2.	Inspect wiring and connectors	-	2b	-
A10.9.7.	Connect apply and disconnect external electrical power	-	3c	-
A10.10.1.	Egress system components and operation	-	B	-
A10.10.2.	Inspect egress components	-	2b	-
A10.11.5.	Inspect and operate A/M32A-86 electric generator	-	3c	-

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals resident course conducted at Sheppard AFB, TX. Course J3AQR2A531A 002, Aerospace Maintenance Apprentice (C-9) is exactly the same as the Aircraft Maintenance Fundamentals course. Column 2 lists the training requirements in both phase I and II of the Maintenance Qualification and Training Program conducted by AMC.

NOTE 2: All applicable safety requirements, inspection requirements, TOs/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout the courses to the training level of associated tasks.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals Apprentice (C-9)	J3ATR2A020 001 (Col 1)	3ZO
C-9	MQTP (Col 2)	

2A531A STS MATRIX (C-9)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-
A2.1.4.	Duties of AFS 2A5X1	B	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-
A2.3.3.1.	Inspect fire extinguisher	2b	-
A2.3.3.2.	Position fire extinguisher	2b	-
A2.3.3.3.	Operate fire extinguisher	b	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-
A2.3.6.1.	Hazardous chemicals use	A	-
A2.3.6.2.	Hazardous chemicals disposal	A	-
A2.3.6.3.	Hazard communication training program	B	-
A2.4.1.	Fundamentals of the TO system	A	-
A2.4.2.	Air Force manuals and instructions	A	-
A2.4.3.	Use technical publications	2b	-
A2.4.4.	TO improvement reporting	A	-
A2.7.1.	Basic functions within maintenance	A	-
A2.7.2.	Maintenance data collection	A	-
A2.7.6.	Quality Air Force	A	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-
A2.8.1.2.	Use maintenance data collection forms	2b	-
A2.8.1.3.	Product quality deficiency reporting	A	-
A2.9.4.1.	Purpose of hardware	A	-
A2.9.4.2.	Use hardware	2b	-
A2.9.5.1.	Purpose of electrical connectors	A	-
A2.9.5.2.	Use electrical connectors	2b	-
A2.9.6.1.	Purpose of securing devices	A	-

2A531A STS MATRIX (C-9)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.9.6.2.	Use securing devices	2b	-
A2.9.7.	Aircraft lubricants	A	-
A2.9.8.	Aircraft sealants	A	-
A2.9.9.	Aircraft adhesives	A	-
A2.9.10.	Aircraft cleaning agents	A	-
A2.9.11.1.	Select hand tools	2b	-
A2.9.11.2.	Use hand tools	2b	-
A2.9.12.1.	Select measuring tools	2b	-
A2.9.12.2.	Use measuring tools	2b	-
A2.9.13.	Use multimeter	1b	-
A2.9.14.1.	Select torque wrench	2b	-
A2.9.14.2	Use torque wrench	2b	-
A2.10.3.	Ordering parts	A	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-
A2.11.4.	Engine and support warranty	A	-
A2.11.5.1.	Aircraft cleaning	A	-
A2.11.5.2.	Corrosion identification	A	-
A2.11.5.3.	Corrosion treatment	A	-
A2.11.6.1.	Aircraft inspection concepts	A	-
A2.11.6.2.	Perform preflight inspection	1b	-
A2.11.6.3.	Perform basic postflight inspection	1b	-
A2.11.7.	Aircraft ground handling	A	-
A2.12.1.	Airframe structure	A	-
A2.12.2.	Remove/install airframe components	1b	-
A2.12.3.	Inspect airframe components	1b	-
A2.13.1.	Landing gear fundamentals	A	-
A2.13.2.1.	Service shock strut	1b	-
A2.13.2.2.	Service tire	1b	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-
A2.13.3.2.	Remove/install brake assembly	1b	-
A2.13.4.	Bleed brakes	1b	-
A2.13.5.	Inspect landing gear	1b	-
A2.14.1.	Utility system fundamentals	A	-
A2.14.6.1.	Operate oxygen system	1b	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-
A2.14.7.1.	Oxygen system	1b	-
A2.14.7.2.	Fire/overheat warning system	1b	-

2A531A STS MATRIX (C-9)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.15.1.	Flight control system fundamentals	A	-
A2.15.2.	Operate flight controls	1b	-
A2.15.3.1.	Identification of flight control components	A	-
A2.15.3.2.	Inspect flight control components	1b	-
A2.16.1.	Hydraulic system fundamentals	A	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-
A2.16.4.	Inspect hydraulic system	1b	-
A2.17.1.	Engine system fundamentals	A	-
A2.17.2.1.	Identify engine components	1b	-
A2.17.2.2.	Inspect engine components	1b	-
A2.17.3.	Oil system servicing	a	-
A2.17.4.	Take JOAP sample	1b	-
A2.18.1.	Fuel system fundamentals	A	-
A2.18.2.	Operate fuel system	1b	-
A2.18.3.	Inspect fuel system	1b	-
A2.19.1.	Electrical system fundamentals	A	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-
A2.19.2.4.	Operate indicator warning lights	1b	-
A2.19.3.	Remove/install electrical and lighting components	1b	-
A2.19.4.	Inspect electrical system	1b	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-
A2.20.1.3.	Operate maintenance stands	2b	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-
A2.20.3.3.	Operate aircraft jacks	2b	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-
A2.20.6.1.	Purpose and description of air compressors	A	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-

2A531A STS MATRIX (C-9)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.20.6.3.	Operate air compressors	2b	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-
A2.20.8.1.	Purpose and description of generator sets	A	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-
A2.20.8.3.	Operate generator sets	2b	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-
A2.20.9.3.	Operate lighting equipment	2b	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-
A2.20.12.3.	Operate gas turbine compressors	2b	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-
A11.1.1.	Flight line safety	-	B
A11.1.2.	Use TOs	-	3c
A11.1.4.1.	Preflight	-	3c
A11.1.4.2.	Thruflight	-	3c
A11.1.5.1.1.	Operate UHF radio	-	3c
A11.1.5.1.2.	Operate VHF radio	-	3c
A11.1.5.2.	Use interphone	-	3c
A11.1.6.1.	Launch aircraft	-	3c
A11.1.6.2.	Recover aircraft	-	3c
A11.1.6.4.1.	Prepare aircraft for tow	-	3c
A11.1.6.4.2.	Wing/tail walker	-	3c
A11.1.6.4.3.	Brake operator	-	3c
A11.1.8.1.	Jacking team member	-	3c

2A531A STS MATRIX (C-9)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A11.1.8.2.	Plumb bob monitor	-	3c
A11.1.8.4.	Axle jacking	-	3c
A11.2.3.1	Operate crew entry door	-	3c
A11.2.3.2.	Operate aft cabin doors	-	3c
A11.2.3.3.	Operate patient loading ramp	-	3c
A11.2.4.2.	Remove and install aircraft panels	-	3c
A11.2.4.7.	Remove and install tail cone assembly	-	3c
A11.2.5.1.	Open and close cowling	-	3c
A11.2.5.2.	Open and close panels	-	3c
A11.2.5.3.	Open and close radomes	-	3c
A11.2.9.2.	Drain potable water tanks	-	3c
A11.3.1.	Landing gear components and system operation	-	B
A11.3.2.1.	Perform operational check of landing gear	-	3c
A11.3.2.2.	Perform operational check of brakes	-	3c
A11.3.2.4.	Perform operational check of anti skid	-	3c
A11.3.3.1.	Service main landing gear shock strut	-	3c
A11.3.3.2.	Service nose landing gear shock strut	-	3c
A11.3.3.3.	Service tires	-	3c
A11.3.4.	Lubricate landing gear components	-	3c
A11.3.5.1.	Remove and install wheel and tire assemblies	-	3c
A11.3.5.2.	Remove and install brake assemblies	-	3c
A11.3.6.	Bleed brake systems	-	3c
A11.3.7	Determine serviceability of aircraft tires	-	3c
A11.4.1.6.	Rain removal system components and system operation	-	B
A11.4.1.9.	Oxygen system components and system operation	-	B
A11.4.2.7.	Operate oxygen system	-	3c
A11.4.3.5.	Inspect rain removal system	-	3c
A11.4.4.1.	Service oxygen system	-	3c
A11.5.1.	Flight control components and system operation	-	B
A11.5.2.	Operate flight controls	-	3c
A11.5.5.	Lubricate flight controls	-	3c
A11.6.1.	Hydraulic components and system operation	-	B
A11.6.3.1.	Service hydraulic reservoir	-	3c
A11.6.3.2.	Service hydraulic accumulator	-	3c
A11.6.3.4.2.	Non-engine driven hydraulic pump	-	3c
A11.7.3.1.	Service engine oil system	-	3c
A11.7.3.2.	Service constant speed drive	-	3c
A11.7.3.4.	Service auxiliary power unit	-	3c

2A531A STS MATRIX (C-9)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A11.7.5.	Take oil sample	-	3c
A11.7.8.	Disable thrust reverser system	-	3c
A11.8.2.	Perform operational check of fuel system	-	3c
A11.8.3.1.	Refuel team member	-	3c
A11.8.4.1.	Defuel team member	-	3c
A11.8.7.	Ground transfer fuel	-	3c
A11.9.3.1.	Perform operational check of electrical power supply system	-	3c
A11.9.3.2.	Perform operational check of lighting system	-	3c
A11.9.3.3.	Perform operational check of indicator warning lights	-	3c
A11.9.3.4.	Perform operational check of batteries	-	3c
A11.9.4.1.	Remove and install light lenses	-	3c
A11.9.4.2.	Remove and install light bulbs	-	3c
A11.9.4.3.	Remove and install batteries	-	3c
A11.9.7.	Connect/disconnect external electrical power	-	3c
A11.10.3.	Remove and install forward evacuation slide	-	3c
A11.10.4.	Remove and install tail cone evacuation slide	-	3c
A11.11.1.	Inspect and operate maintenance stands	-	3c

2A531A STS MATRIX (C-9)

STS 2A5X1

STS ELEMENT

TASK

Col 1 Col 2

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals residence course conducted at Sheppard AFB, TX. Column 2 identifies the training given in course J4AQR2A531G 002. Items identified are the qualitative requirements needed to acquire an apprentice skill level.

NOTE 2: All applicable safety requirements, inspection requirements, TOs/Corrosion/FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout the courses to the training level of associated tasks.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
E-3	J3AQR2A531G 001 (Col 1)	HQJ
E-3	J4ABF2A531G 000 (Col 2)	ND6

2A531G STS MATRIX (E-3)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-
A2.1.4.	Duties of AFS 2A5X1	B	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-
A2.3.3.1.	Inspect fire extinguisher	2b	-
A2.3.3.2.	Position fire extinguisher	2b	-
A2.3.3.3.	Operate fire extinguisher	b	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-
A2.3.6.1.	Hazardous chemicals use	A	-
A2.3.6.2.	Hazardous chemicals disposal	A	-
A2.3.6.3.	Hazard communication training program	B	-
A2.4.1.	Fundamentals of the TO system	A	-
A2.4.2.	Air Force manuals and instructions	A	-
A2.4.3.	Use technical publications	2b	-
A2.4.4.	TO improvement reporting	A	-
A2.7.1.	Basic functions within maintenance	A	-
A2.7.2.	Maintenance data collection	A	-
A2.7.6.	Quality Air Force	A	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-
A2.8.1.2.	Use maintenance data collection forms	2b	-
A2.8.1.3.	Product quality deficiency reporting	A	-
A2.9.4.1.	Purpose of hardware	A	-
A2.9.4.2.	Use hardware	2b	-
A2.9.5.1.	Purpose of electrical connectors	A	-
A2.9.5.2.	Use electrical connectors	2b	-
A2.9.6.1.	Purpose of securing devices	A	-

2A531G STS MATRIX (E-3)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.9.6.2.	Use securing devices	2b	-
A2.9.7.	Aircraft lubricants	A	-
A2.9.8.	Aircraft sealants	A	-
A2.9.9.	Aircraft adhesives	A	-
A2.9.10.	Aircraft cleaning agents	A	-
A2.9.11.1.	Select hand tools	2b	-
A2.9.11.2.	Use hand tools	2b	-
A2.9.12.1.	Select measuring tools	2b	-
A2.9.12.2.	Use measuring tools	2b	-
A2.9.13.	Use multimeter	1b	-
A2.9.14.1.	Select torque wrench	2b	-
A2.9.14.2	Use torque wrench	2b	-
A2.10.3.	Ordering parts	A	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-
A2.11.4.	Engine and support warranty	A	-
A2.11.5.1.	Aircraft cleaning	A	-
A2.11.5.2.	Corrosion identification	A	-
A2.11.5.3.	Corrosion treatment	A	-
A2.11.6.1.	Aircraft inspection concepts	A	-
A2.11.6.2.	Perform preflight inspection	1b	-
A2.11.6.3.	Perform basic postflight inspection	1b	-
A2.11.7.	Aircraft ground handling	A	-
A2.12.1.	Airframe structure	A	-
A2.12.2.	Remove/install airframe components	1b	-
A2.12.3.	Inspect airframe components	1b	-
A2.13.1.	Landing gear fundamentals	A	-
A2.13.2.1.	Service shock strut	1b	-
A2.13.2.2.	Service tire	1b	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-
A2.13.3.2.	Remove/install brake assembly	1b	-
A2.13.4.	Bleed brakes	1b	-
A2.13.5.	Inspect landing gear	1b	-
A2.14.1.	Utility system fundamentals	A	-
A2.14.6.1.	Operate oxygen system	1b	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-
A2.14.7.1.	Oxygen system	1b	-
A2.14.7.2.	Fire/overheat warning system	1b	-

2A531G STS MATRIX (E-3)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.15.1.	Flight control system fundamentals	A	-
A2.15.2.	Operate flight controls	1b	-
A2.15.3.1.	Identification of flight control components	A	-
A2.15.3.2.	Inspect flight control components	1b	-
A2.16.1.	Hydraulic system fundamentals	A	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-
A2.16.4.	Inspect hydraulic system	1b	-
A2.17.1.	Engine system fundamentals	A	-
A2.17.2.1.	Identify engine components	1b	-
A2.17.2.2.	Inspect engine components	1b	-
A2.17.3.	Oil system servicing	a	-
A2.17.4.	Take JOAP sample	1b	-
A2.18.1.	Fuel system fundamentals	A	-
A2.18.2.	Operate fuel system	1b	-
A2.18.3.	Inspect fuel system	1b	-
A2.19.1.	Electrical system fundamentals	A	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-
A2.19.2.4.	Operate indicator warning lights	1b	-
A2.19.3.	Remove/install electrical and lighting components	1b	-
A2.19.4.	Inspect electrical system	1b	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-
A2.20.1.3.	Operate maintenance stands	2b	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-
A2.20.3.3.	Operate aircraft jacks	2b	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-
A2.20.6.1.	Purpose and description of air compressors	A	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-

2A531G STS MATRIX (E-3)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A2.20.6.3.	Operate air compressors	2b	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-
A2.20.8.1.	Purpose and description of generator sets	A	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-
A2.20.8.3.	Operate generator sets	2b	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-
A2.20.9.3.	Operate lighting equipment	2b	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-
A2.20.12.3.	Operate gas turbine compressors	2b	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-
A12.1.1.1.	Isochronal inspection concept	-	B
A12.1.1.2.1.	Perform preflight inspection	-	3c
A12.1.1.2.2.	Perform alert preflight inspection	-	3c
A12.1.1.2.3.	Perform thruflight inspection	-	3c
A12.1.1.2.4.	Perform quick turn inspection	-	3c
A12.1.1.2.5.	Perform basic postflight inspection	-	3c
A12.1.2.2.	Use interphone	-	3c
A12.1.3.1.	Launch aircraft	-	3c
A12.1.3.2.	Recover aircraft	-	3c
A12.1.3.3.1.	Wing/tail walker	-	3c
A12.1.3.3.2.	Brake operator	-	3c
A12.1.3.5.	Axle jacking	-	3c
A12.2.1.	Airframe components and structure	-	A

2A531G STS MATRIX (E-3)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A12.2.2.1.	Operate entry door/hatch	-	3c
A12.2.2.2.	Operate emergency door/hatch	-	3c
A12.2.2.3.	Operate wheel well doors	-	3c
A12.2.3.1.	Remove and install cowling	-	3c
A12.2.3.2.	Remove and install panels	-	3c
A12.2.3.3.	Remove and install nonexplosive seats	-	3c
A12.2.3.5.	Remove and install life rafts	-	3c
A12.2.5.1.	Open and close cowling	-	3c
A12.2.8.	Inspect crew/passenger comfort facilities	-	3c
A12.2.9.	Service crew/passenger comfort facilities	-	3c
A12.3.1.	Landing gear components and system operation	-	A
A12.3.2.2.	Perform operational check of brakes	-	3c
A12.3.3.1.	Service landing gear struts	-	3c
A12.3.3.2.	Service tires	-	3c
A12.3.5.1.	Remove and install wheel and tire assemblies	-	3c
A12.3.5.2.	Remove and install brake assemblies	-	2b
A12.3.6.	Bleed brake system	-	2b
A12.3.7.	Determine serviceability of aircraft tires	-	3c
A12.3.8.	Inspect landing gear system	-	3c
A12.4.1.	Utility components and system operation	-	A
A12.4.2.2.	Perform operational check on air conditioning system	-	3c
A12.4.3.1.	Service oxygen system	-	3c
A12.4.4.1.	Inspect bleed air system	-	3c
A12.4.4.2.	Inspect air conditioning system	-	3c
A12.4.4.3.	Inspect pressurization system	-	3c
A12.4.4.4.	Inspect anti-ice/de-ice system	-	3c
A12.4.4.5.	Inspect rain removal system	-	3c
A12.4.4.6.	Inspect fire/overheat warning system	-	3c
A12.4.4.7.	Inspect fire extinguishing system	-	3c
A12.4.4.8.	Inspect oxygen system	-	3c
A12.4.5.	Operate forced air cooling system	-	2b
A12.5.1.	Flight control components and system operation	-	A
A12.5.2.	Operate flight controls	-	3c
A12.5.3.	Perform operational check of flight controls	-	2b
A12.5.5.	Inspect flight controls	-	3c
A12.6.1.	Hydraulic components and system operation	-	A
A12.6.2.	Operation principle of rotodome system	-	3c
A12.6.3.1.1.	Service hydraulic reservoir	-	3c

2A531G STS MATRIX (E-3)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>
A12.6.3.1.2.	Service hydraulic accumulator	-	3c
A12.6.3.2.	Inspect major hydraulic components	-	3c
A12.6.3.3.2.	Operate non-engine driven hydraulic pump	-	3c
A12.7.1.	Engine and auxiliary power unit (APU) components and system operation	-	A
A12.7.3.2.	Operate auxiliary power unit	-	3c
A12.7.4.1.	Service engine oil system	-	3c
A12.7.4.3.	Service auxiliary power unit	-	3c
A12.7.5.	Remove and install starter	-	2b
A12.7.6.	Take engine oil sample	-	3c
A12.7.7.1.	Inspect engine turbine	-	3c
A12.7.7.2.	Inspect engine compressor	-	3c
A12.7.8.	Inspect auxiliary power unit	-	3c
A12.8.1.	Fuel components and system operation	-	A
A12.8.3.1.	Refuel team member	-	3c
A12.8.3.2.	Refuel team panel operator	-	3c
A12.8.4.1.	Defuel team member	-	3c
A12.8.4.2.	Defuel team panel operator	-	3c
A12.8.6.	Inspect fuel system	-	3c
A12.8.7.1.	Perform operational check of in-flight refueling system	-	2b
A12.8.7.2.	Inspect IFR	-	3c
A12.8.8.	Ground transfer fuel	-	3c
A12.9.1.	Electrical components and system operation	-	A
A12.9.2.1.	Perform operational check of electrical power supply system	-	3c
A12.9.2.2.	Perform operational check of lighting system	-	3c
A12.9.2.3.	Perform operational check of indicator warning lights	-	3c
A12.9.3.1.	Remove and install light lenses	-	2b
A12.9.3.2.	Remove and install light bulbs	-	2b
A12.9.3.3.	Remove and install batteries	-	3c
A12.9.5.1.	Inspect electrical components	-	3c
A12.9.5.2.	Inspect wiring and connectors	-	3c
A12.9.6.	Connect/apply/disconnect external electrical power	-	3c
A12.9.7.	Service integrated drive generator	-	3c
A12.10.1.	Egress components and system operation	-	A
A12.10.2.	Inspect evacuation slides	-	3c
A12.10.3.	Remove and install evacuation slide	-	3c
A12.11.1.	Inspect and operate liquid coolant system (LCS)	-	3c
A12.11.2.	Inspect and operate ACE 406-322 air conditioning unit	-	3c

NOTE 1: Column 1 of the following matrix identifies training given in the Aircraft Fundamentals residence course conducted at Sheppard AFB, TX. Column 2 identifies training given to acquire an apprentice skill level. This training is conducted at Sheppard AFB for the knowledge items (upper case letters) and at either McGuire AFB, NJ or Travis AFB, CA for the performance items (combination numbers and lower case letters). An E-4B familiarization course is presented at Offutt AFB, NE for selectees on that specific airframe upon completion of the KC-10 training track. Columns 3 lists the requirements identified at the career field Utilization and Training Workshop, Jul 96, for the proposed Mission Ready Technician (MRT) training program.

NOTE 2: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

<u>Weapon System</u>	<u>Course Number</u>	<u>PDS Code</u>
Aircraft Fundamentals	J3ATR2A020 001 (Col 1)	HQJ
KC-10	J3AQR2A531H 000 (Col 2)	739
KC-10	J4ABF2A531H 001 (Col 2)	MUV

2A531H STS MATRIX (KC-10/E-4)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.1.3.	Progression in career ladder AFSC 2A5X1	A	-	-
A2.1.4.	Duties of AFS 2A5X1	B	-	-
A2.2.	Operations security (OPSEC) vulnerability of AFSC 2A5X1	A	-	-
A2.3.1.	Housekeeping consistent with safety of personnel and equipment	A	-	-
A2.3.2.1.	Safety precautions pertaining to engine air intake and exhaust	A	-	-
A2.3.2.2.	Safety precautions pertaining to high intensity sound	A	-	-
A2.3.2.3.	Safety precautions pertaining to turbine plane of rotation	A	-	-
A2.3.2.4.	Safety precautions pertaining to radio frequency radiation	A	-	-
A2.3.2.5.	Safety precautions pertaining to ground handling of aircraft	A	-	-
A2.3.2.6.	Safety precautions pertaining to hot brakes	A	-	-
A2.3.2.7.	Safety precautions pertaining to use of tools and equipment	A	-	-
A2.3.2.8.	Safety precautions pertaining to servicing aircraft systems	A	-	-
A2.3.2.9.	Safety precautions pertaining to cleaning agents	A	-	-
A2.3.2.10.	Safety precautions pertaining to solvents	A	-	-
A2.3.2.11.	Safety precautions pertaining to lubricants	A	-	-
A2.3.3.1.	Inspect fire extinguisher	2b	-	-
A2.3.3.2.	Position fire extinguisher	2b	-	-
A2.3.3.3.	Operate fire extinguisher	b	-	-
A2.3.4.	Foreign Object Damage (FOD) prevention program	B	-	-
A2.3.6.1.	Hazardous chemicals use	A	-	-
A2.3.6.2.	Hazardous chemicals disposal	A	-	-
A2.3.6.3.	Hazard communication training program	B	-	-
A2.4.1.	Fundamentals of the TO system	A	-	-
A2.4.2.	Air Force manuals and instructions	A	-	-
A2.4.3.	Use technical publications	2b	-	-
A2.4.4.	TO improvement reporting	A	-	-
A2.7.1.	Basic functions within maintenance	A	-	-
A2.7.2.	Maintenance data collection	A	-	-
A2.7.6.	Quality Air Force	A	-	-
A2.8.1.1.	Use Core Automated Maintenance system (CAMS)	2b	-	-
A2.8.1.2.	Use maintenance data collection forms	2b	-	-
A2.8.1.3.	Product quality deficiency reporting	A	-	-
A2.9.4.1.	Purpose of hardware	A	-	-
A2.9.4.2.	Use hardware	2b	-	-
A2.9.5.1.	Purpose of electrical connectors	A	-	-
A2.9.5.2.	Use electrical connectors	2b	-	-
A2.9.6.1.	Purpose of securing devices	A	-	-

2A531H STS MATRIX (KC-10/E-4)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.9.6.2.	Use securing devices	2b	-	-
A2.9.7.	Aircraft lubricants	A	-	-
A2.9.8.	Aircraft sealants	A	-	-
A2.9.9.	Aircraft adhesives	A	-	-
A2.9.10.	Aircraft cleaning agents	A	-	-
A2.9.11.1.	Select hand tools	2b	-	-
A2.9.11.2.	Use hand tools	2b	-	-
A2.9.12.1.	Select measuring tools	2b	-	-
A2.9.12.2.	Use measuring tools	2b	-	-
A2.9.13.	Use multimeter	1b	-	-
A2.9.14.1.	Select torque wrench	2b	-	-
A2.9.14.2	Use torque wrench	2b	-	-
A2.10.3.	Ordering parts	A	-	-
A2.10.4.	Preparing repairable and serviceable parts for turn-in	A	-	-
A2.11.1.	Use aircraft and supporting maintenance records	2b	-	-
A2.11.4.	Engine and support warranty	A	-	-
A2.11.5.1.	Aircraft cleaning	A	-	-
A2.11.5.2.	Corrosion identification	A	-	-
A2.11.5.3.	Corrosion treatment	A	-	-
A2.11.6.1.	Aircraft inspection concepts	A	-	-
A2.11.6.2.	Perform preflight inspection	1b	-	-
A2.11.6.3.	Perform basic postflight inspection	1b	-	-
A2.11.7.	Aircraft ground handling	A	-	-
A2.12.1.	Airframe structure	A	-	-
A2.12.2.	Remove/install airframe components	1b	-	-
A2.12.3.	Inspect airframe components	1b	-	-
A2.13.1.	Landing gear fundamentals	A	-	-
A2.13.2.1.	Service shock strut	1b	-	-
A2.13.2.2.	Service tire	1b	-	-
A2.13.3.1.	Remove/install wheel and tire assembly	1b	-	-
A2.13.3.2.	Remove/install brake assembly	1b	-	-
A2.13.4.	Bleed brakes	1b	-	-
A2.13.5.	Inspect landing gear	1b	-	-
A2.14.1.	Utility system fundamentals	A	-	-
A2.14.6.1.	Operate oxygen system	1b	-	-
A2.14.6.2.	Operate fire/overheat warning system	1b	-	-
A2.14.7.1.	Oxygen system	1b	-	-
A2.14.7.2.	Fire/overheat warning system	1b	-	-

2A531H STS MATRIX (KC-10/E-4)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.15.1.	Flight control system fundamentals	A	-	-
A2.15.2.	Operate flight controls	1b	-	-
A2.15.3.1.	Identification of flight control components	A	-	-
A2.15.3.2.	Inspect flight control components	1b	-	-
A2.16.1.	Hydraulic system fundamentals	A	-	-
A2.16.2.1.	Service hydraulic system reservoir	1b	-	-
A2.16.2.2.	Service hydraulic system accumulator	1b	-	-
A2.16.3.1.	Remove/install hydraulic tubing/hoses	1b	-	-
A2.16.3.2.	Remove/install hydraulic fittings	1b	-	-
A2.16.3.3.	Remove/install hydraulic filter elements	1b	-	-
A2.16.4.	Inspect hydraulic system	1b	-	-
A2.17.1.	Engine system fundamentals	A	-	-
A2.17.2.1.	Identify engine components	1b	-	-
A2.17.2.2.	Inspect engine components	1b	-	-
A2.17.3.	Oil system servicing	a	-	-
A2.17.4.	Take JOAP sample	1b	-	-
A2.18.1.	Fuel system fundamentals	A	-	-
A2.18.2.	Operate fuel system	1b	-	-
A2.18.3.	Inspect fuel system	1b	-	-
A2.19.1.	Electrical system fundamentals	A	-	-
A2.19.2.3.	Operate interior/exterior lighting systems	1b	-	-
A2.19.2.4.	Operate indicator warning lights	1b	-	-
A2.19.3.	Remove/install electrical and lighting components	1b	-	-
A2.19.4.	Inspect electrical system	1b	-	-
A2.20.1.1.	Purpose and description of maintenance stands	A	-	-
A2.20.1.2.	Perform pre-use inspection of maintenance stands	2b	-	-
A2.20.1.3.	Operate maintenance stands	2b	-	-
A2.20.3.1.	Purpose and description of aircraft jacks	A	-	-
A2.20.3.2.	Perform pre-use inspection of aircraft jacks	2b	-	-
A2.20.3.3.	Operate aircraft jacks	2b	-	-
A2.20.4.1.	Purpose and description of gaseous oxygen servicing equipment	A	-	-
A2.20.4.2.	Perform pre-use inspection of gaseous oxygen servicing equipment	1b	-	-
A2.20.4.3.	Operate gaseous oxygen servicing equipment	1b	-	-
A2.20.5.1.	Purpose and description of liquid oxygen servicing equipment	A	-	-
A2.20.5.2.	Perform pre-use inspection of liquid oxygen servicing equipment	1b	-	-
A2.20.5.3.	Operate liquid oxygen servicing equipment	1b	-	-
A2.20.6.1.	Purpose and description of air compressors	A	-	-
A2.20.6.2.	Perform pre-use inspection of air compressors	2b	-	-

2A531H STS MATRIX (KC-10/E-4)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A2.20.6.3.	Operate air compressors	2b	-	-
A2.20.7.1.	Purpose and description of ground heaters and blowers	A	-	-
A2.20.7.2.	Perform pre-use inspection of ground heaters and blowers	2b	-	-
A2.20.7.3.	Operate ground heaters and blowers	2b	-	-
A2.20.8.1.	Purpose and description of generator sets	A	-	-
A2.20.8.2.	Perform pre-use inspection of generator sets	2b	-	-
A2.20.8.3.	Operate generator sets	2b	-	-
A2.20.9.1.	Purpose and description of lighting equipment	A	-	-
A2.20.9.2.	Perform pre-use inspection of lighting equipment	2b	-	-
A2.20.9.3.	Operate lighting equipment	2b	-	-
A2.20.10.1.	Purpose and description of hydraulic test stands	A	-	-
A2.20.11.1.	Purpose and description of air conditioning units	A	-	-
A2.20.12.1.	Purpose and description of gas turbine compressors	A	-	-
A2.20.12.2.	Perform pre-use inspection of gas turbine compressors	2b	-	-
A2.20.12.3.	Operate gas turbine compressors	2b	-	-
A2.20.13.1.	Purpose and description of tow vehicles	A	-	-
A2.20.14.1.	Purpose and description of liquid nitrogen servicing equipment	A	-	-
A2.20.14.2.	Perform pre-use inspection of liquid nitrogen servicing equipment	1b	-	-
A2.20.14.3.	Operate liquid nitrogen servicing equipment	1b	-	-
A2.20.15.1.	Purpose and description of gaseous nitrogen servicing equipment	A	-	-
A2.20.15.2.	Perform pre-use inspection of gaseous nitrogen servicing equipment	1b	-	-
A2.20.15.3.	Operate gaseous nitrogen servicing equipment	1b	-	-
A2.20.16.1.	Purpose and description of oil servicing carts	A	-	-
A2.20.17.1.	Purpose and description of hydraulic servicing carts	A	-	-
A2.20.19.1.	Purpose of crash recovery equipment	A	-	-
A13.1.1.1.	C-Check Inspection	-	A	A
A13.1.1.2.1.	Perform preflight inspection	-	2b	3c
A13.1.1.2.2.	Perform thruflight inspection	-	2b	3c
A13.1.1.2.3.	Perform basic postflight inspection	-	2b	3c
A13.1.1.2.4	Perform park and receive inspection	-	2b	3c
A13.1.1.2.6.	Perform "A" check	-	b	b
A13.1.2.1.	Air Transport Association (ATA) TO System	-	B	B
A13.1.2.2 .	Use ATA TOs	-	2b	2b
A13.1.2.3.	Service bulletins and air worthiness directives	-	A	A
A13.1.3.2.	Use interphone	-	2b	3c
A13.1.4.1.	Launch aircraft	-	b	3c
A13.1.4.2.	Recover aircraft	-	b	3c
A13.1.4.3.1.	Tow wing/tail walker	-	2b	3c

2A531H STS MATRIX (KC-10/E-4)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A13.1.4.3.2.	Tow brake operator	-	2b	3c
A13.1.4.4.1.	Jacking team member	-	A	-
A13.1.4.5.	Axle jacking	-	2b	3c
A13.2.1.	Airframe components and structure	-	A	A
A13.2.2.1.	Operate entry door/hatch	-	2b	3c
A13.2.2.2.	Operate cargo door	-	2b	3c
A13.2.2.3.	Operate wheel well doors	-	2b	3c
A13.2.3.1.	Remove and install panels	-	2b	2b
A13.2.4.1.	Open and close cowling	-	2b	3c
A13.2.6.	Service crew/passenger comfort facilities	-	2b/b	2b/b
A13.3.1.	Theory of landing gear components and system operation	-	A	-
A13.3.2.2.	Perform operational check of brakes	-	2b	3c
A13.3.4.1.	Service landing gear struts	-	2b	3c
A13.3.4.2.	Service tires	-	2b	3c
A13.3.6.1.	Remove and install wheel and tire assemblies	-	2b	3c
A13.3.6.2.	Remove and install brake assemblies	-	2b	3c
A13.3.7.	Bleed brakes system	-	b	b
A13.3.8.	Determine serviceability of aircraft tires	-	2b	3c
A13.3.9.	Inspect landing gear system	-	2b	3c
A13.4.1.	Utility components and system operation	-	A	A
A13.4.2.6.	Perform operational check of fire warning system	-	2b	3c
A13.4.2.8.	Perform operational check of oxygen system	-	2b	3c
A13.4.3.1.	Service oxygen system	-	2b	3c
A13.4.3.2.	Drain oxygen system	-	2b	-
A13.4.4.5.	Inspect rain removal system	-	2b	3c
A13.4.4.6.	Inspect fire warning system	-	2b	3c
A13.4.4.8.	Inspect oxygen system	-	2b	3c
A13.5.1.	Flight control components and system operation	-	A	A
A13.5.2.	Operate flight controls	-	2b	3c
A13.5.5.	Inspect flight controls	-	2b	2b
A13.6.1.	Hydraulic components and system operation	-	A	A
A13.6.2.1.1.	Service reservoir	-	2b	3c
A13.6.2.1.2.	Service accumulator	-	2b	3c
A13.6.2.2.	Inspect major hydraulic components	-	2b	2b
A13.6.2.3.2.	Operate non-engine driven pump	-	2b	3c
A13.7.1.	Engine and auxiliary power unit(APU) components and system operation	-	A	A
A13.7.3.2.	Operate auxiliary power units	-	2b	3c
A13.7.4.1.	Service engine oil system	-	2b	3c

2A531H STS MATRIX (KC-10/E-4)

STS 2A5X1

<u>STS ELEMENT</u>	<u>TASK</u>	<u>Col 1</u>	<u>Col 2</u>	<u>Col 3</u>
A13.7.4.2.	Service constant speed drive/integrated drive gearbox	-	2b	3c
A13.7.4.3.	Service auxiliary power units	-	2b	3c
A13.7.5.3.	Remove and install APU starter	-	b	-
A13.7.6.	Take engine oil sample	-	2b	3c
A13.7.7.1.	Inspect installed engine exhaust	-	2b	3c
A13.7.7.2.	Inspect installed engine inlet	-	2b	3c
A13.7.8.	Blend compressor blades(KC-10 Only)	-	b	-
A13.7.10.	Inspect auxiliary power unit (APU)	-	2b	3c
A13.8.1.	Fuel components and system operation	-	A	A
A13.8.2.	Operate fuel system	-	2b	3c
A13.8.3.1.	Perform refuel team member duties	-	2b	3c
A13.8.3.2.	Perform refuel team panel operator duties	-	2b	3c
A13.8.4.1.	Perform defuel team member duties	-	2b	3c
A13.8.4.2.	Perform defuel team panel operator duties	-	2b	3c
A13.8.6.	Inspect fuel system	-	2b	2b
A13.8.7.1.	Inspect in-flight-refueling system	-	2b	-
A13.8.7.2.	Operate in-flight-refueling system	-	2b	-
A13.8.8.1.	Inspect receiver system	-	2b	2b
A13.8.8.2.	Operate receiver system	-	2b	3c
A13.8.9.	Ground transfer fuel	-	2b	2b
A13.9.1.	Electrical components and system operation	-	A	A
A13.9.2.1.	Perform operational check of electrical power supply system	-	2b	3c
A13.9.2.2.	Perform operational check of lighting system	-	2b	3c
A13.9.2.3.	Perform operational check of indicator warning lights	-	2b	3c
A13.9.3.1.	Remove and install light lenses	-	2b	-
A13.9.3.2.	Remove and install light bulbs	-	2b	-
A13.9.3.3.	Remove and install batteries	-	2b	3c
A13.9.5.1.	Inspect electric components	-	2b	-
A13.9.5.2.	Inspect wiring and connectors	-	2b	-
A13.9.6.	Connect/apply/disconnect external electrical power	-	2b	-
A13.10.1.	Egress system components	-	A	-
A13.10.2.	Inspect egress components	-	2b	-
A13.10.3.	System operation(excluding slide)	-	b	-
A13.11.1.	Inspect and operate gaseous oxygen servicing equipment	-	2b	-
A13.11.2.	Inspect and operate gaseous nitrogen servicing equipment	-	2b	-
A13.11.3.	Inspect and operate liquid nitrogen cart	-	2b	-
A13.11.4.	Inspect and operate oil servicing carts	-	2b	-
A13.11.5.	Inspect and operate hydraulic servicing carts	-	2b	-

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. remove and install a wheel and tire assembly). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the **PC** code which indicates a progress check is used to measure subject or task knowledge. Progress checks are also used to measure student accomplishment of performance objectives. **W** indicates a comprehensive written test and is used to measure the subject and/or task knowledge at the end of a block of instruction. **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

5. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Most task performance is taught to the "2b" proficiency level which means the students can do most parts of the task, but need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the "3c" proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objective. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to GS-12 Rosemary Williams, 362 TRS/TRR, 613 10th Ave, Sheppard AFB TX, 76311-2352.

Section C - Training Course Index

8. Purpose. This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs.

9. Air Force In-Residence Courses.

The following is a list of the in-resident courses taught at Sheppard AFB and Field Training Detachments.

For all J3 type courses contact:
362 TRS/TRR
613 10th Avenue
Sheppard AFB, Tx 76311-2356
DSN 736-1040

For all J4 type courses contact:
373 TRS/TXD
912 I Avenue, Suite 4
Sheppard AFB, Tx 76311-2362
DSN 736-2183

COURSE NUMBER	TITLE	OPR	USER
*J3ATR2A020 001	Aircraft Maintenance Fundamentals	362 TRS	USAF
*J3ABP2A531A 001	Aerospace Maintenance Apprentice (C141)	362 TRS	USAF
J3AQR2A531A 000	Aerospace Maintenance Apprentice (C141)	362 TRS	USAF
J4AMF/ASF/AST 2A5X1 005	A/C R&R Tech (Ground Systems) (C-141)	373 TRS	USAF
4AMF/ASF/AST 2A5X1 006	Flight Controls Tech (R&R) (C-141)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J 010	Aircraft Maint Tech (C-141)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J 011	Aircraft Maint (Transition/Enroute) (C-141)	373 TRS	USAF
*J3AQR2A531B 000	Aerospace Maintenance Apprentice (C-130)	362 TRS	USAF
*J3ABP2A531B 000	Aerospace Maintenance Apprentice (C-130)	362 TRS	USAF
J4AMF/ASF/AST 2A5X1 008	Aircraft R&R Technician (C-130E/H)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1X 000	Cargo Rail Systems Technician (C-130)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1X 003	Aircraft Dock Inspection	373 TRS	USAF

COURSE NUMBER	TITLE	OPR	USER
	Technician (C-130)		
J4AMF/ASF/AST 2A5X1X 004	Aircraft (Flightline) (Transition) (C-130)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1X 007	Airlift Acft Maint (EC-130)	373 TRS	USAF
J3AQR2A531C 000	Aerospace Maint Apprentice (C-5)	362 TRS	USAF
J3ABP2A531C 000	Aerospace Maint Apprentice (C-5)	362 TRS	USAF
J4AMF/ASF/AST 2A5X1 007	Aero Repair Technician (Flight Control & Power Plant Control Systems) (C-5)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1C 009	Aero Repair Technician (Landing Gear & Door System) (C-5)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J 006	Aircraft Maintenance Technician (Systems) (C-5)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J 007	Aircraft Maintenance Technician (En Route) (C-5)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J 016	Crew Chief Transition (C-5)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J 017	Aircraft Engine Prerun (C-5)	373 TRS	USAF
J3AQR2A531D 000	Aerospace Maintenance Apprentice (C-17)	362 TRS	USAF
J4AMF/ASF/AST 2A5X1J-021	C-17A APG Transition	373 TRS	USAF
J4AMF/ASF/AST 2A5X1J-023	C-17A APG Introduction	373 TRS	USAF
J3AQR2A531E 000	Aerospace Maintenance Apprentice (B-1B)	362 TRS	USAF
J4ABP2A531E 000	Aerospace Maintenance Apprentice (B-1B)	373 TRS	USAF
J4ABP2A531E 002	Aerospace Maintenance Apprentice (B-1B)	373 TRS	USAF
J4AMS/ASF/AST 2A5X1 000	Aerospace Maintenance Craftsman (Aero repair) (B-1B)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1 003	Aerospace Maintenance Craftsman(Phase Inspect) (B-1B)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1 024	Aerospace Maintenance Craftsman (Fault Diagnosis)	373 TRS	USAF
J4ABF2A531E 002	Aerospace Maintenance Apprentice (B-2)	373 TRS	USAF

COURSE NUMBER	TITLE	OPR	USER
J4AMF/ ASF 2A5X1 004	Aerospace Maintenance Craftsman (B-2) (Weight and Balance)	373 TRS	USAF
J4AMF/ASF 2A5X1 029	Aerospace Maintenance Craftsman (B-2)	373 TRS	USAF
J3ABR2A531F 000	Aerospace Maintenance Apprentice (B-52)	362 TRS	USAF
J4AMF/ASF/AST 2A5X1 020	Aerospace Maintenance Craftsman (B-52) (Aero Repair)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1 026	Aerospace Maintenance Craftsman (Phase Insp)(B-52)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1 028	Aerospace Maintenance Craftsman (Crossover/Airframe) (B-52)	373 TRS	USAF
J3ABR2A531G 000	Aerospace Maintenance Apprentice (C-135)	362 TRS	USAF
J4AMF/ASF/AST 2A5X1 021	Aerospace Repair (EC/KC/RC-135)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1 001	Acft Maint Technician (Phase) (KC-135)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 002	Aircraft Maintenance Craftsman (Follow-on) (KC-135R/T)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 003	Aircraft Maintenance Technician (Follow-on) (KC-135)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 004	Acft Maint. Craftsman (KC-135) (Differences)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 007	Entry Level/Crossover Maint (E/K/R/WC-135)	373 TRS	USAF
J4AMF2A5X1G 010	Aircraft Maintenance Craftsman (EC/RC-135)	373 TRS	USAF
J4AMF2A5X1G 011	Acft Maint Craftsman (Follow-on) (EC/RC-135)	373 TRS	USAF
J4AMF2A5X1G 012	Entry Level/Crossover Maint. (EC/RC-135)	373 TRS	USAF
J3AQR2A531G 002	Aerospace Maintenance Apprentice (E-3)	362 TRS	USAF
J3ABP2A531G 000	Aircraft Maint Apprentice (Crew	373 TRS	USAF

COURSE NUMBER	TITLE	OPR	USER
	Chief, E-3)		
J4AMF/ASF/AST 2A5X1 030	E-3 Phase Inspection Course	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 015	Aircraft Maintenance Technician (E-3) (Entry Level)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 006	General Aircraft Systems Fam. (E-3)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 000	Aircraft Maintenance Fam. (E-4B)	373 TRS	USAF
J4AMF/ASF/AST 2A5X0 003	Aircraft Maint Techn (Differences) (E-8C)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1G 013	Aerospace Maint Techn (E-8C)	373 TRS	USAF
J3AQR2A531H 000	Aerospace Maint Apprentice (KC-10)	362 TRS	USAF
J4ABP2A531H 001	Aircraft Maintenance Apprentice	373 TRS	USAF
J4AMF/ASF/AST 2A5X1L 000	Acft Maint Journeyman (KC-10)	373 TRS	USAF
J4AMF/ASF/AST 2A5X1L 001	Acft Maint Journeyman (KC-10)	373 TRS	USAF

10. Extension Course Institute (ECI) Courses

COURSE NUMBER	TITLE	OPR	USER
2A551 (3 volumes)	Aerospace Maintenance Apprentice	362 TRS	USAF
2A571 (2 volumes)	Aircraft Maintenance Craftsman	362 TRS	USAF

11. Exportable Courses

COURSE NUMBER	TITLE	OPR	USER
J6ANU2A5X1 001	Weight and Balance Airlift	362 TRS	USAF
J6ANU2A5X1 002	Weight and Balance Bomber	362 TRS	USAF
J6ANU2A5X1X 002	C-130B/E/H Acft System Tech	362 TRS	USAF
J6ANU2A000 000	Weight and Balance (General)	362 TRS	USAF
COURSE NUMBER	TITLE	OPR	USER
J6AZU2E066 057	B-1B Orgn Maint Manual Set (OMMS)	362 TRS	USAF

12. Courses Under Development/Revision : None***Section D - MAJCOM Unique Requirements***

Course J4AMF/ASF/AST2A5X1J-023 (C-17) is mandatory after completion of applicable J3ATR2A020 001, Aircraft Maintenance Fundamentals course taught at Sheppard AFB.

Phase I and II of the C-9 MQTP are mandatory after completion of applicable J3ATR2A020 001, Aircraft Maintenance Fundamentals course taught at Sheppard AFB.